TA-FB730R

SERVICE MANUAL

AEP Model
UK Model
E Model
Australian Model

SPECIFICATIONS

Amplifier section

DIN power output
100 W + 100 W (4 ohms at 1 kHz)
60 W + 60 W (8 ohms at 1 kHz)

Total harmonic distortion
Less than 0.008% (at 10 W output)

Frequency response
PHONO (20 Hz - 20 kHz): RIAA equalization curve ±0.5 dB
TUNER, CD, AUX, TAPE1/DAT, TAPE2/MD:
7 Hz - 100 kHz +1 dB

S/N (network A)
PHONO
90 dB
TUNER, CD, AUX , TAPE1/DAT, TAPE2/MD:
105 dB

Output voltage/impedance
REC OUT 1, 2: 150 mV, 1 kilohm
PHONES: 10 mW (at 8 ohms)

Speakers impedance
4 - 16 ohms, 8 - 16 ohms (SPEAKERS A+B)

Damping factor
100 (8 ohms, 1 kHz)

General

System
Power amplifier: Pure-complementary SEPP OCL power amplifier with all stages directly coupled
Preamplifier: Low-noise, equalizer amplifier

Power requirements
230 V AC, 50/60 Hz

Power consumption
180 W

Dimensions (approx.) (w/h/d)
430 × 150 × 405 mm
incl. projecting parts and controls

Mass (approx.)
8.6 kg

Supplied accessories

- Remote commander (remote) (1) RM-S316
- Sony batteries R6 (size-AA) (2)

Design and specifications are subject to change without notice.

INTEGRATED STEREO AMPLIFIER

MICROFILM

SONY®

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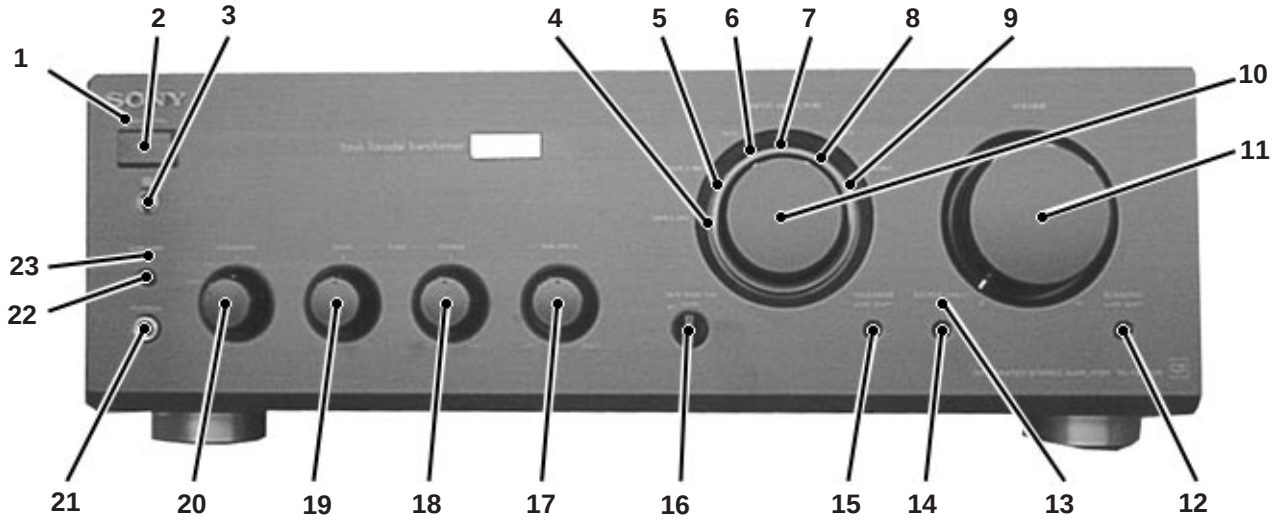
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

Front Panel Descriptions

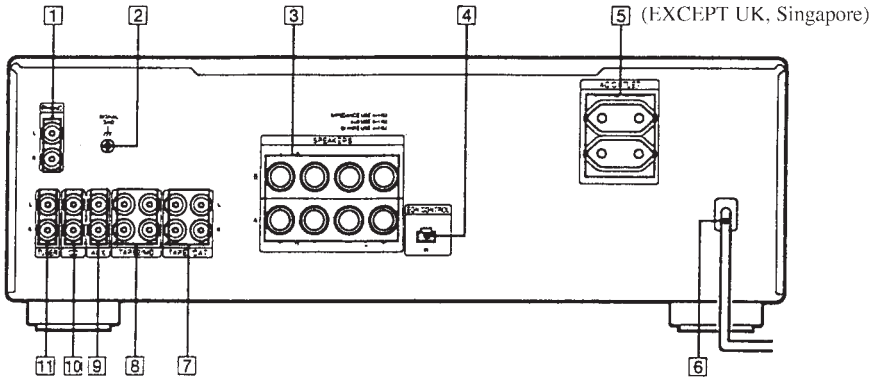


Location of Parts and Controls

1 PROTECTION indicator
2 ⏻ (Power) button
3 Remote sensor
4 TAPE 1/DAT indicator
5 TAPE 2/MD indicator
6 AUX indicator
7 CD indicator
8 TUNER indicator
9 PHONO indicator
10 INPUT SELECTOR knob
11 VOLUME knob
12 SUBSONIC button
13 SOURCE indicator
14 SOURCE DIRECT button and indicator
15 LOUDNESS button
16 TAPE MONITOR knob
17 BALANCE knob
18 TREBLE knob
19 BASS knob
20 SPEAKERS knob
21 PHONE jack
22 EON LINK button
23 EON LINK indicator

This section is extracted from instruction manual.

Rear Panel Descriptions



1 PHONO
2 ⏚ (SIGNAL GND)
3 SPEAKERS A/B
4 EON CONTROL IN
5 AC OUTLET (EXCEPT UK, Singapore)
6 Mains lead
7 TAPE1/DAT
8 TAPE2/MD
9 AUX
10 CD
11 TUNER

SECTION 2
ELECTRICAL ADJUSTMENT

Bias Adjustment

NOTE:

1. Perform the adjustment after the unit has warmed up sufficiently.
2. Perform the bias adjustment if the power transistor has been replaced.

Procedure:

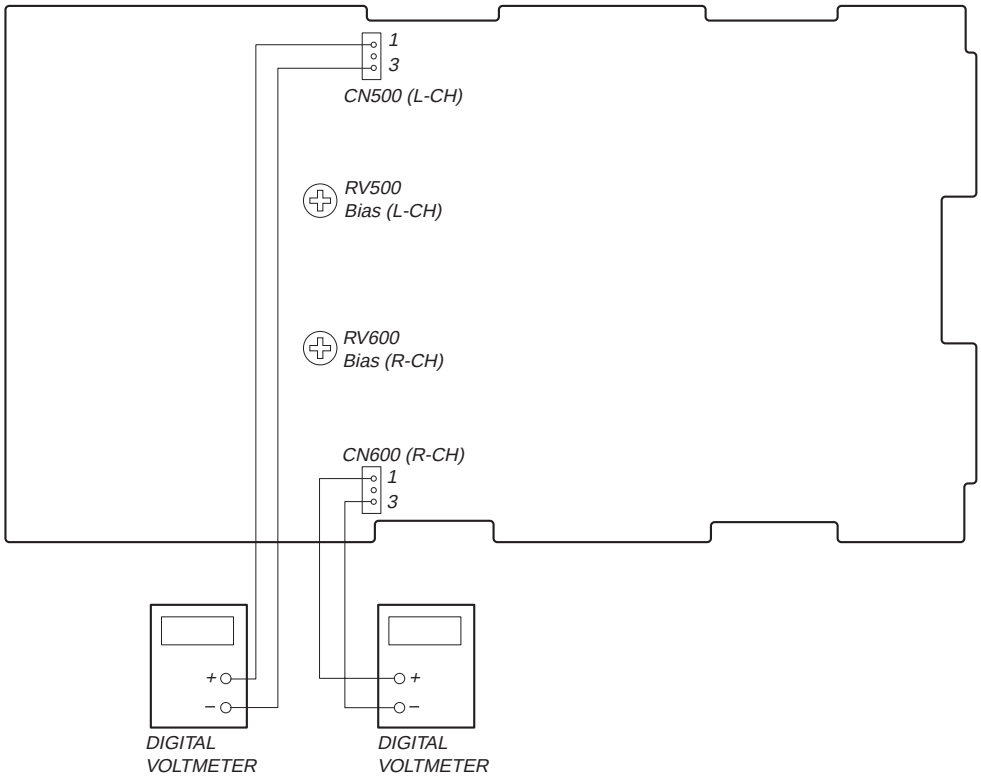
1. Rotate fully the bias adjusting semi-fixed resistors (RV500, RV600) to the MIN position (counterclockwise).
2. Connect a digital voltmeter to the CN500 and CN600.

	1 pin	3 pin
CN500 (L-CH)	+	–
CN600(R-CH)	+	–

3. Set the slide regulator to 0V, and press the ⏻ button (ON) on the set.
4. Raise gradually the slide regulator voltage up to the rated voltage.
5. At this time, confirm that the SP relay is turned on (it will click).
6. Adjust the RV500 and RV600 so that a reading of digital voltmeter is 10 ± 1 mV.
7. Return the slidack to 0 V, and press the ⏻ button (OFF) on the set.

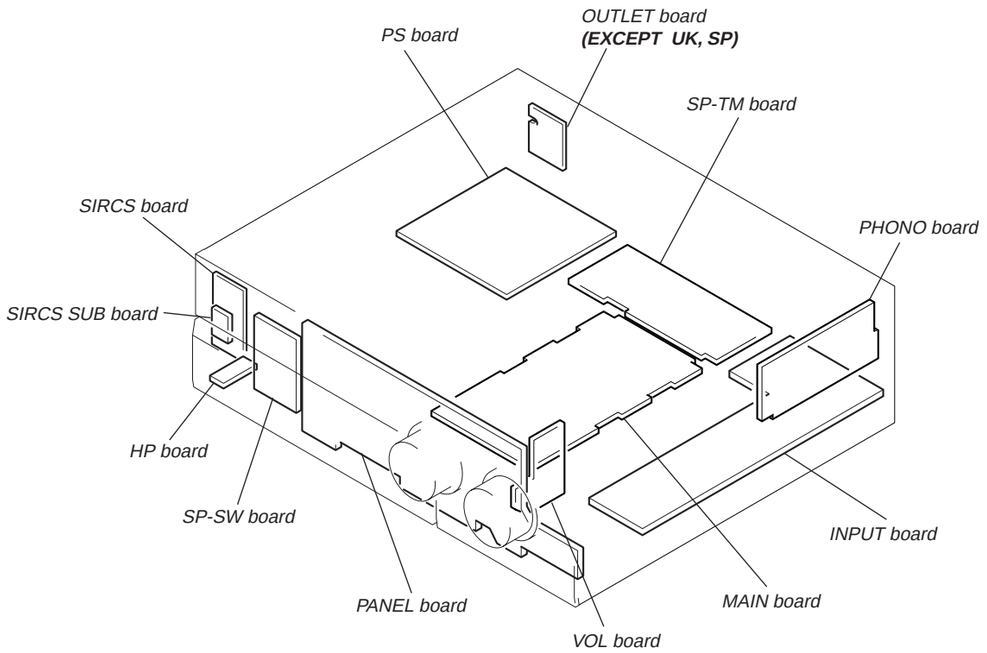
Adjustment Location :

[MAIN BOARD] – COMPONENT SIDE –



SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

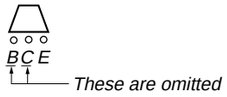
- B+ : B+ Line.
- B− : B– Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : POWER ON
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : TUNER

For printed wiring boards.

Note:

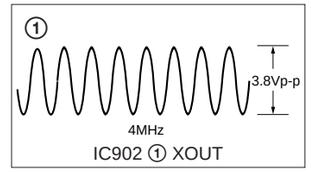
- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ▒▒ : Pattern from the side which enables seeing.

- **Indication of transistor**



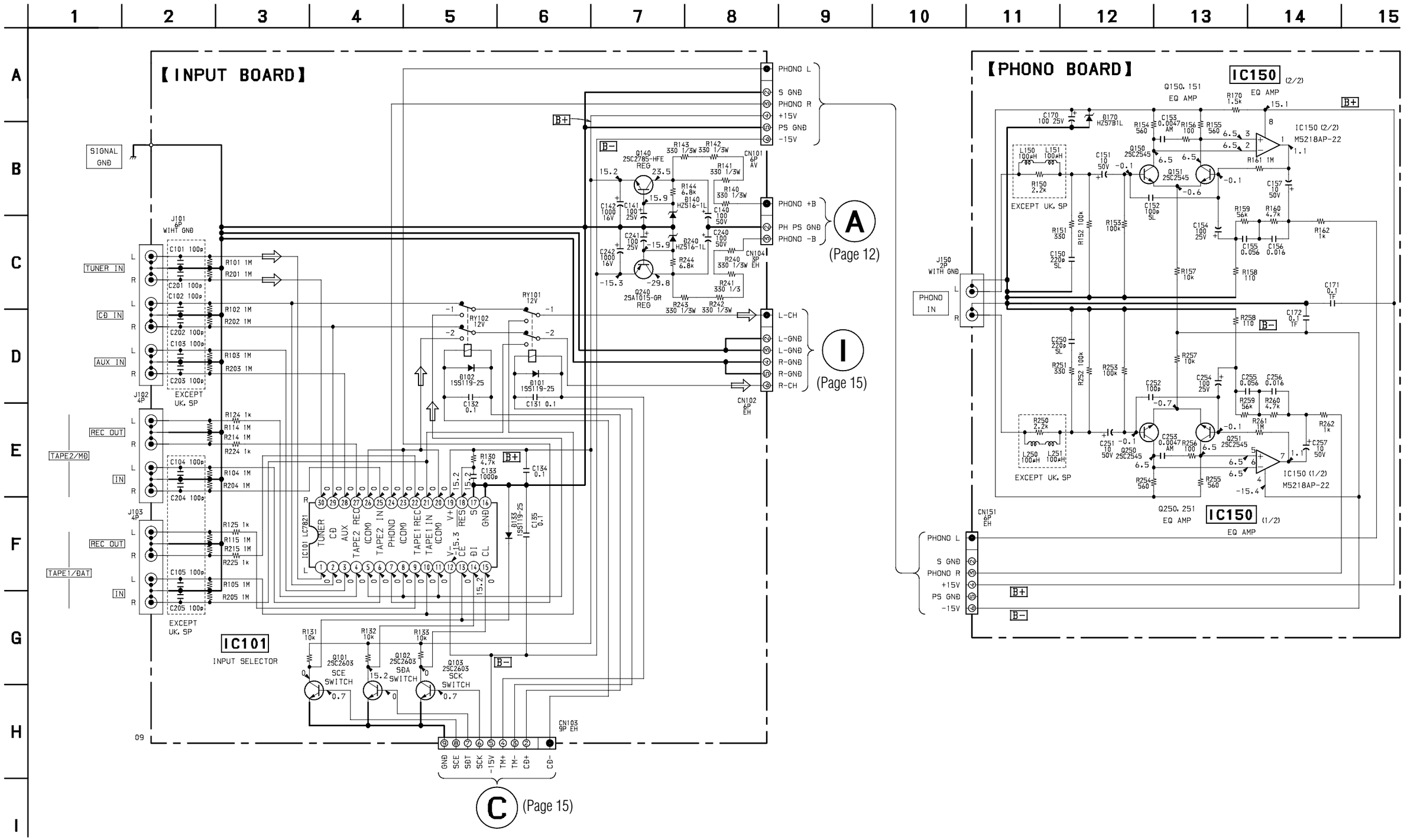
- Abbreviation
  G : German model
  SP : Singapore model
  MY : Malaysia model
  AUS : Australian model

WAVEFORM



3-2. SCHEMATIC DIAGRAM – INPUT SECTION –

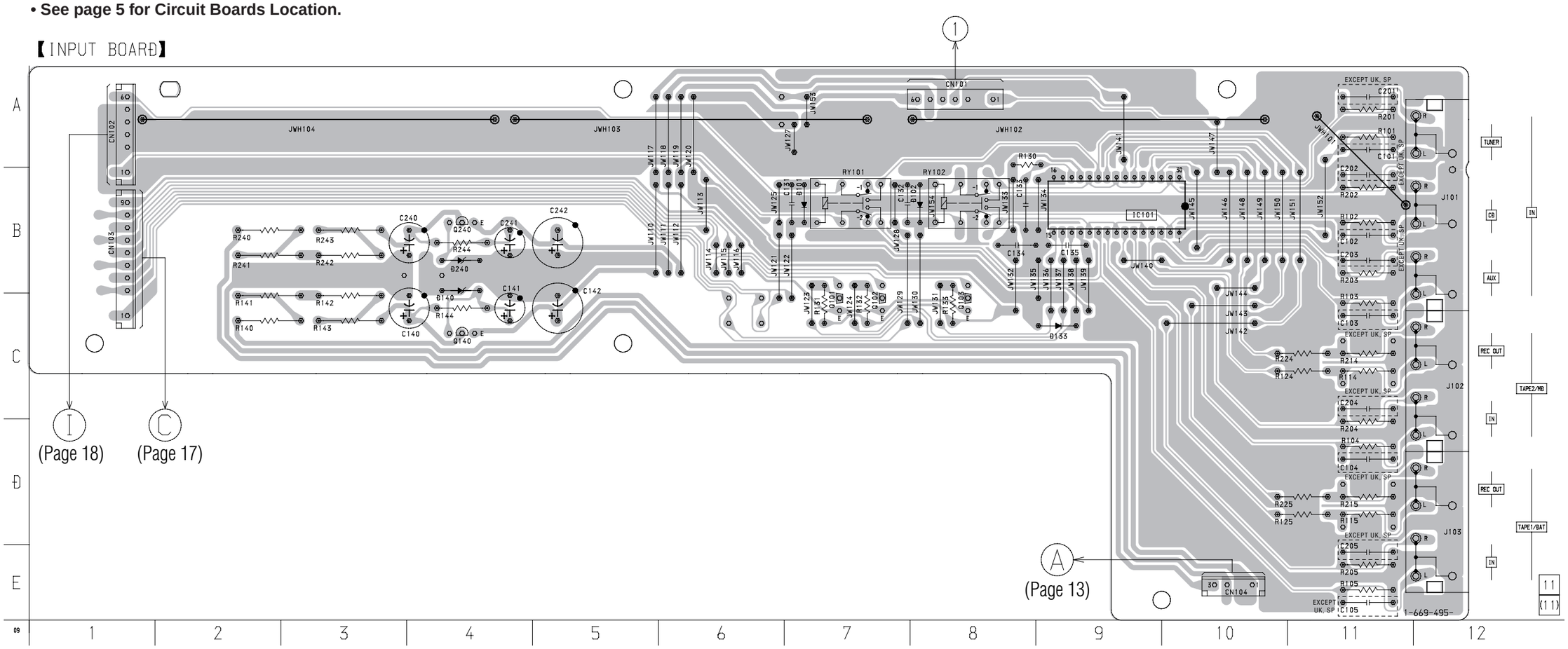
• See page 23 for IC Block Diagrams.



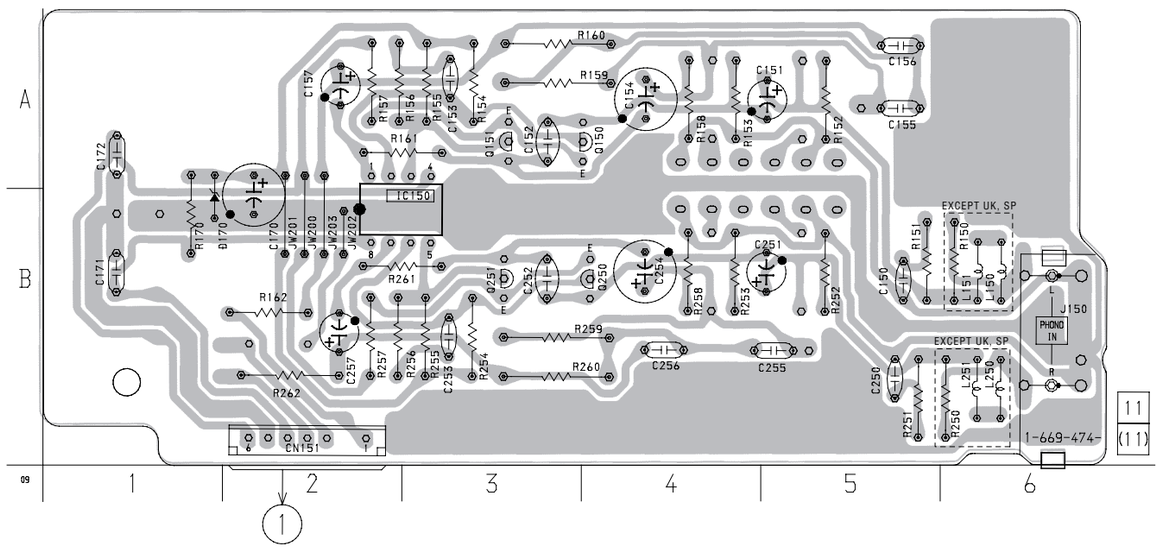
3-3. PRINTED WIRING BOARD – INPUT SECTION –

• See page 5 for Circuit Boards Location.

【INPUT BOARD】



【PHONO BOARD】



– 9 –

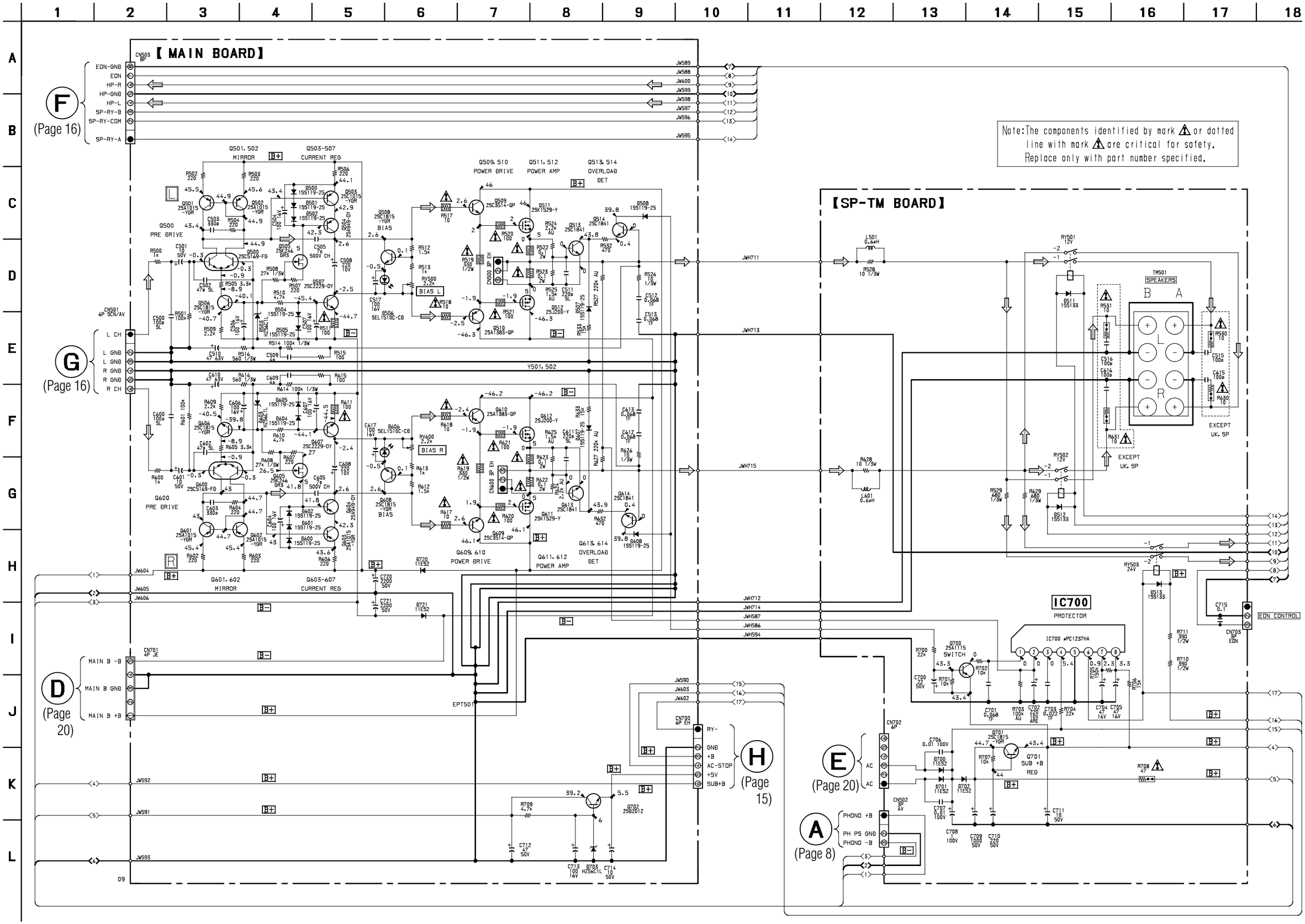
- **Semiconductor Location**

Ref. No.	Location
D101	B-7
D102	B-8
D133	C-9
D140	B-4
D240	B-4
IC101	B-9
Q101	C-7
Q102	C-7
Q103	C-8
Q140	C-4
Q240	B-4

– 10 –

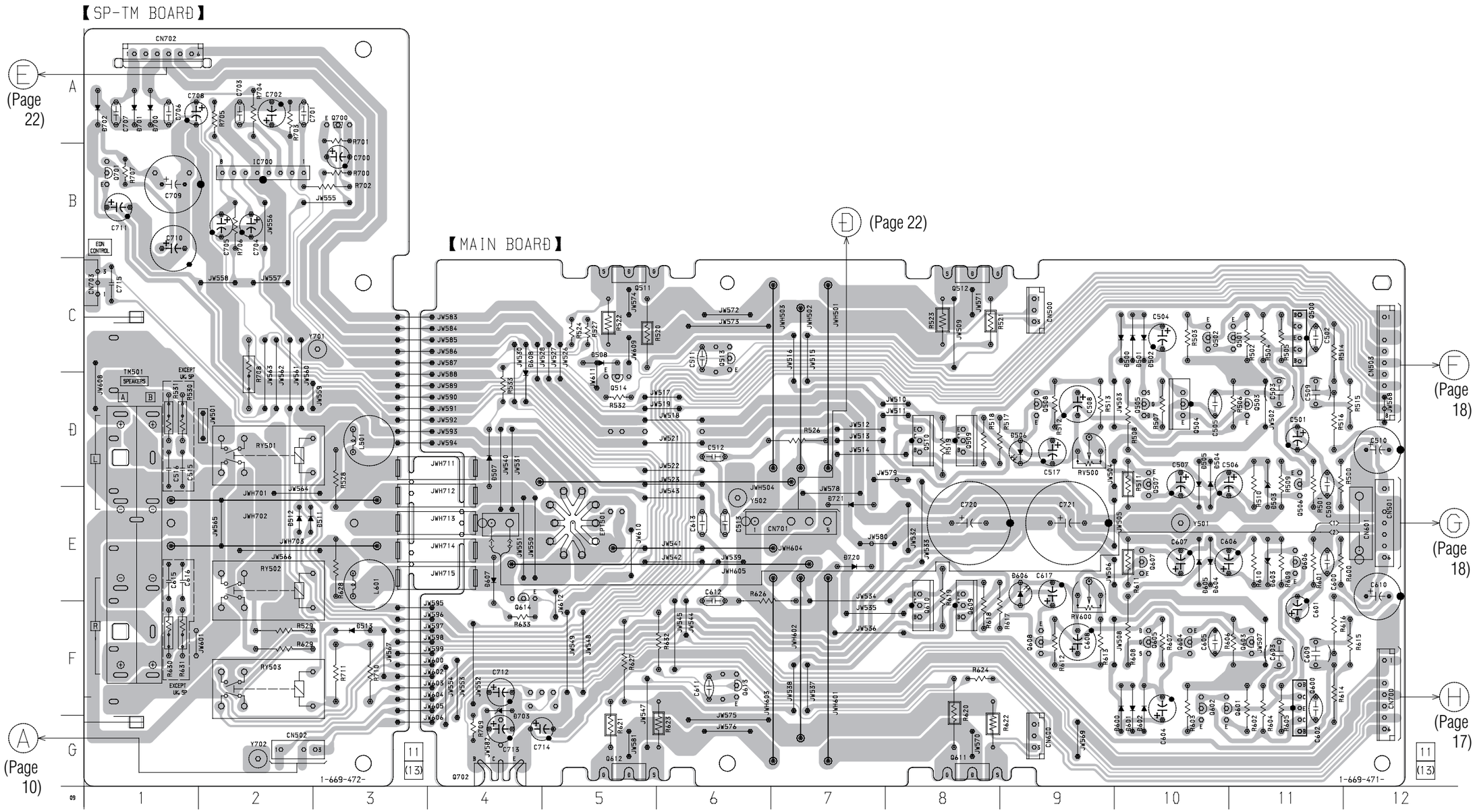
3-4. SCHEMATIC DIAGRAM – MAIN SECTION –

• See page 23 for IC Block Diagrams.



3-5. PRINTED WIRING BOARD – MAIN SECTION –

• See page 5 for Circuit Boards Location.

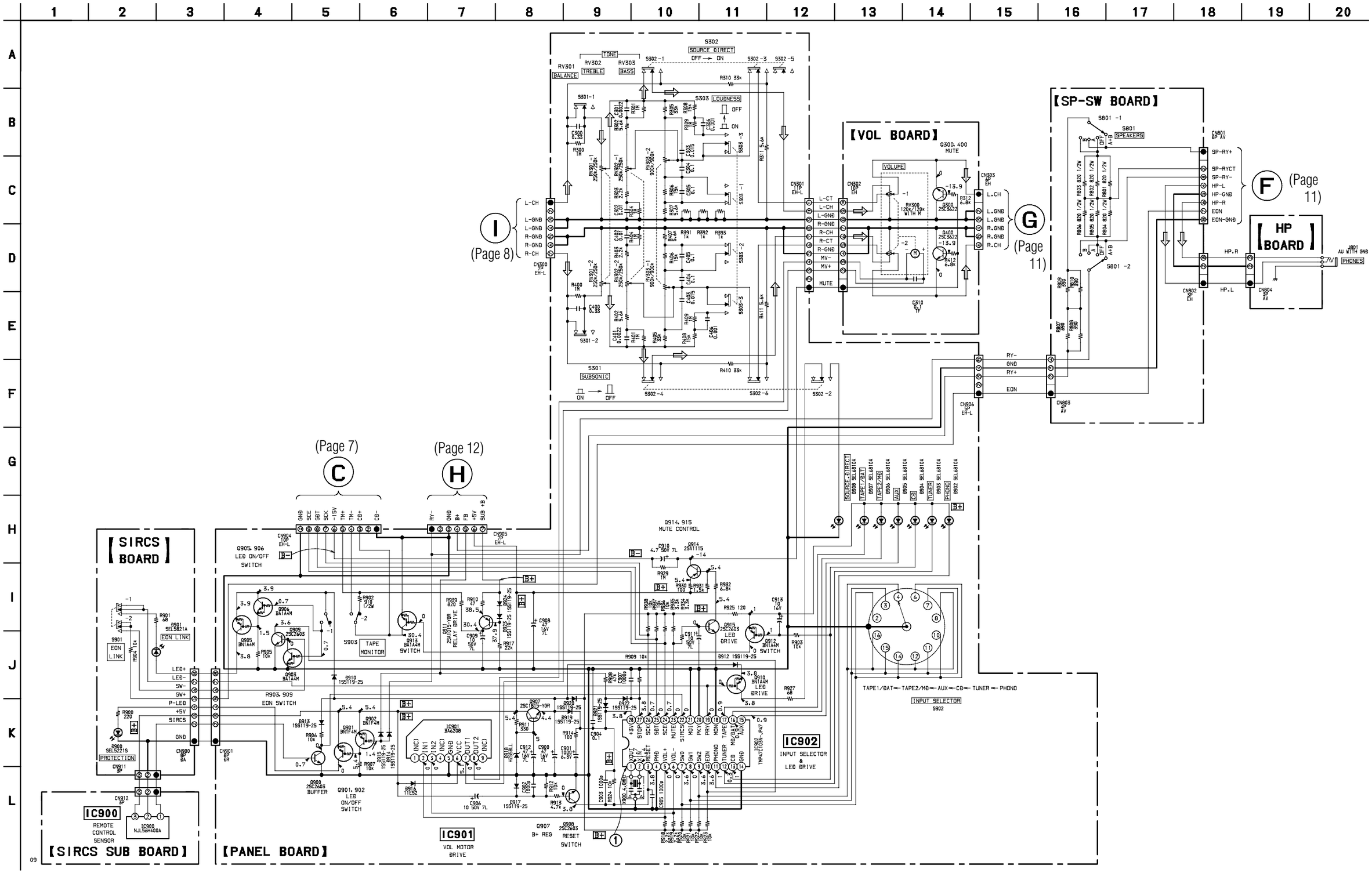


• **Semiconductor Location**

Ref. No.	Location
D500	C-10
D501	C-10
D502	C-10
D503	E-11
D504	E-10
D505	E-10
D506	D-9
D511	E-2
D512	E-2
D513	F-3
D600	G-10
D601	G-10
D602	G-10
D603	E-11
D604	E-10
D605	E-10
D606	F-9
D700	A-1
D701	A-1
D702	A-1
D703	G-4
D720	E-7
D721	E-7
IC700	B-2
Q500	C-11
Q501	C-11
Q502	C-10
Q503	D-11
Q504	D-10
Q505	D-10
Q506	E-11
Q507	E-10
Q508	D-9
Q509	D-8
Q510	D-8
Q511	C-5
Q512	C-8
Q513	D-6
Q514	D-5
Q600	G-11
Q601	G-11
Q602	G-10
Q603	F-11
Q604	F-10
Q605	F-10
Q606	E-11
Q607	E-10
Q608	F-9
Q609	F-8
Q610	F-10
Q611	G-8
Q612	G-5
Q613	F-6
Q614	F-4
Q700	B-3
Q701	B-1
Q702	G-4

3-6. SCHEMATIC DIAGRAM – PANEL SECTION –

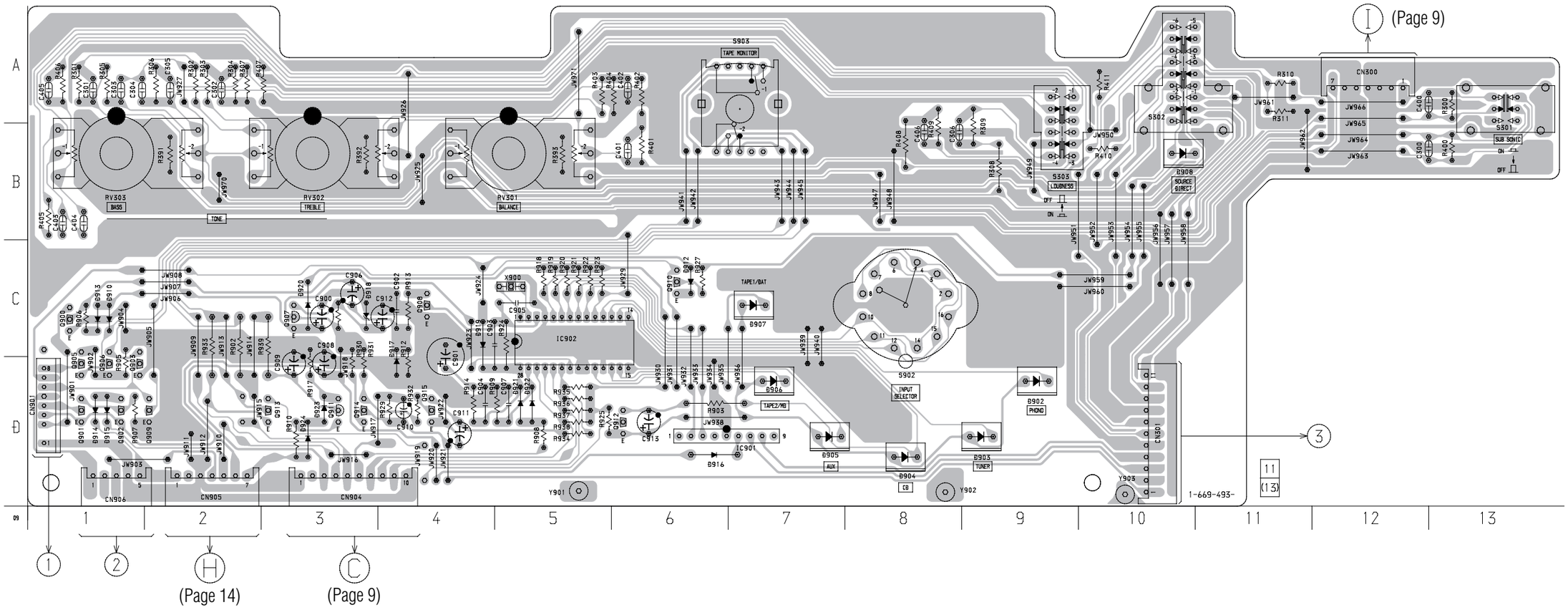
- See page 5 for Waveforms.
- See page 23 for IC Block Diagram.
- See page 24 for IC Pin Function.



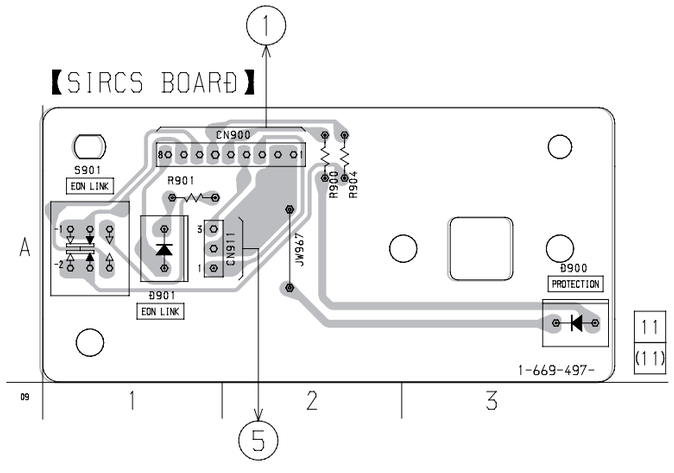
3-7. PRINTED WIRING BOARD – PANEL SECTION –

• See page 5 for Circuit Boards Location.

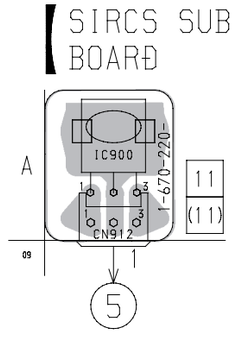
【PANEL BOARD】



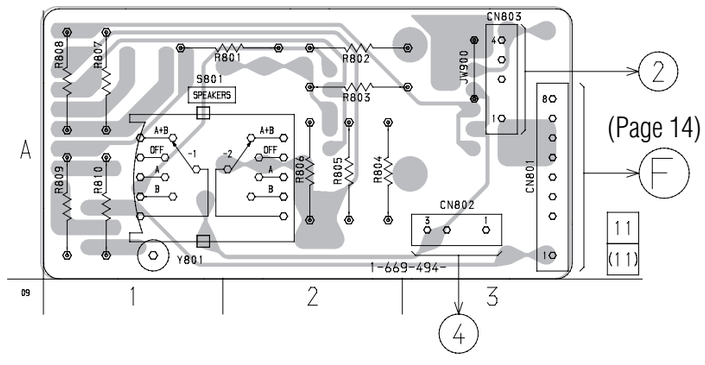
【SIRCS BOARD】



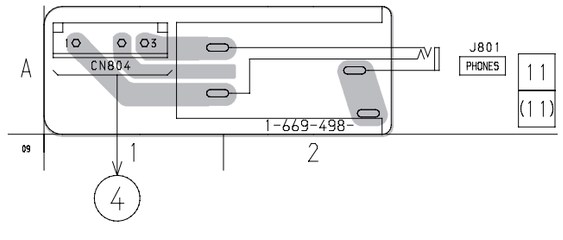
【SIRCS SUB BOARD】



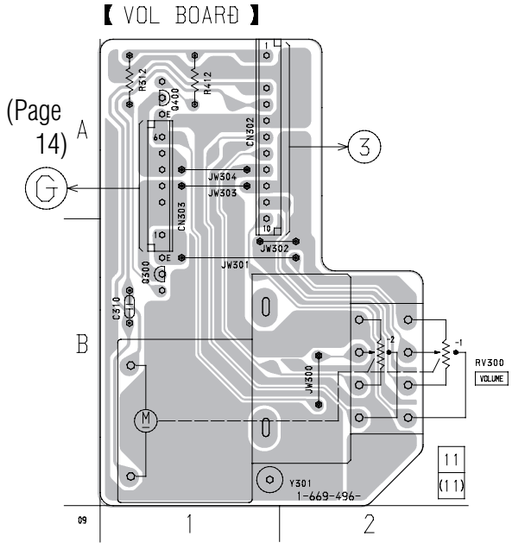
【SP-SW BOARD】



【HP BOARD】



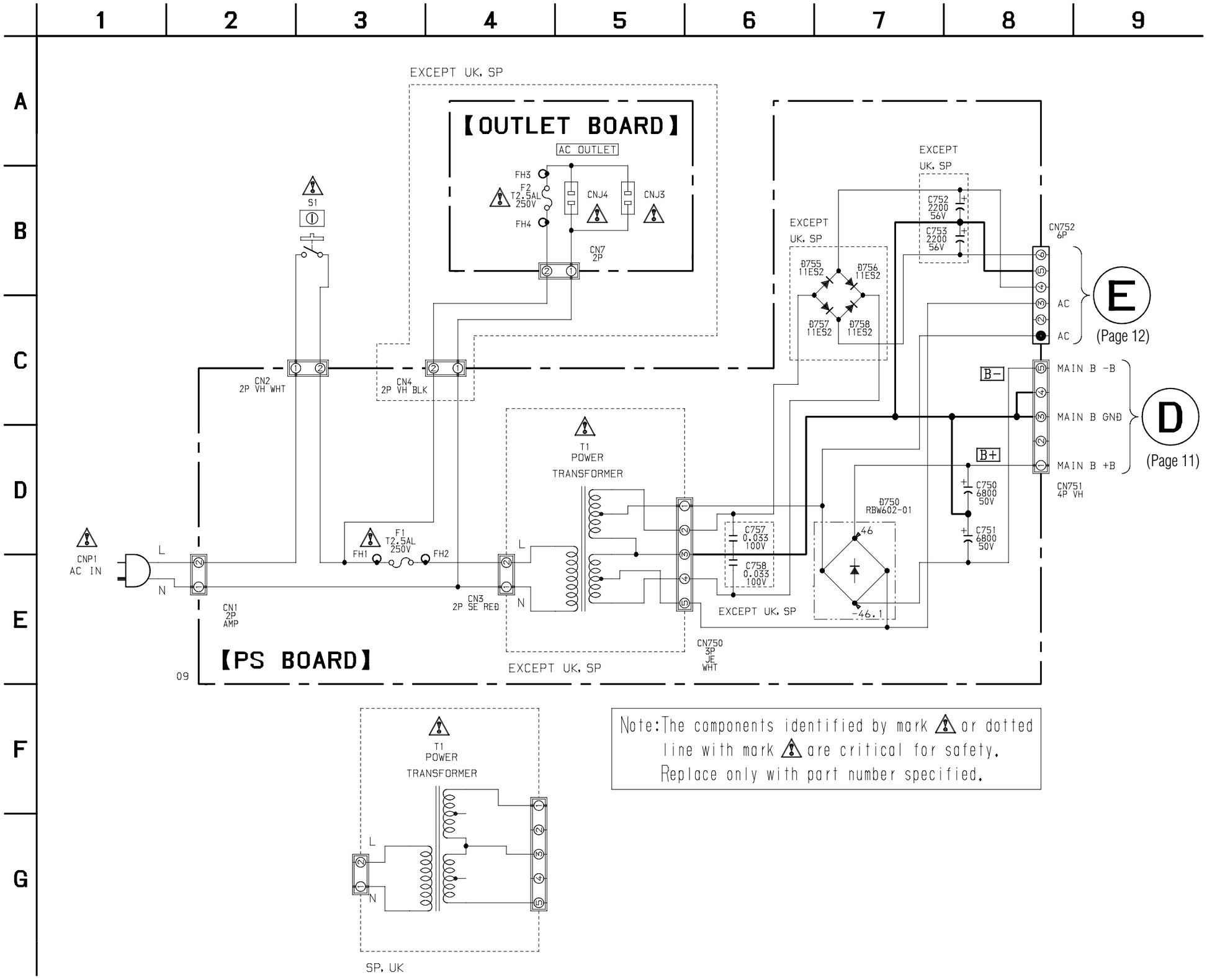
【VOL BOARD】



• **Semiconductor Location**

Ref. No.	Location
D902	D-9
D903	D-9
D904	D-8
D905	D-7
D906	D-7
D907	C-7
D908	B-10
D910	C-1
D912	C-6
D913	C-1
D914	D-1
D915	D-1
D916	D-6
D917	D-4
D918	C-3
D919	C-4
D920	C-3
D921	D-5
D922	D-5
D923	D-3
D924	D-3
IC901	D-7
IC902	C-5
Q900	C-1
Q901	D-1
Q902	D-1
Q903	D-1
Q905	D-1
Q906	D-1
Q907	C-3
Q908	C-4
Q909	D-2
Q910	C-6
Q911	D-3
Q912	D-6
Q913	D-3
Q914	D-3
Q915	D-4

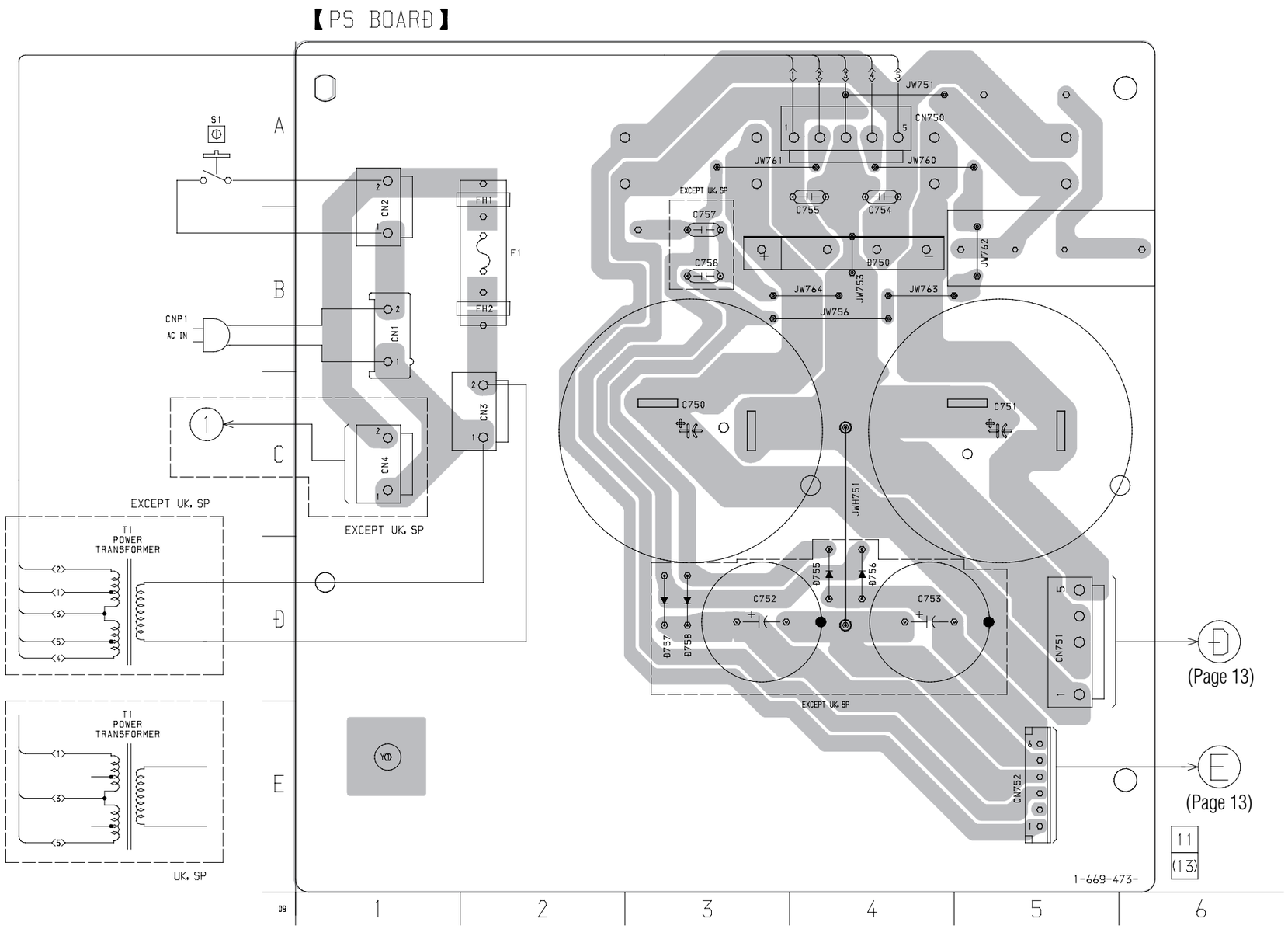
3-8. SCHEMATIC DIAGRAM – POWER SECTION –

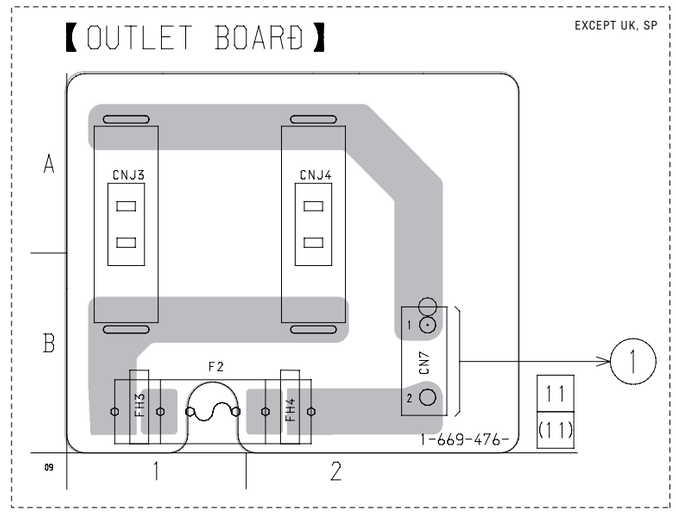


Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

3-9. PRINTED WIRING BOARD – POWER SECTION –

• See page 5 for Circuit Boards Location.

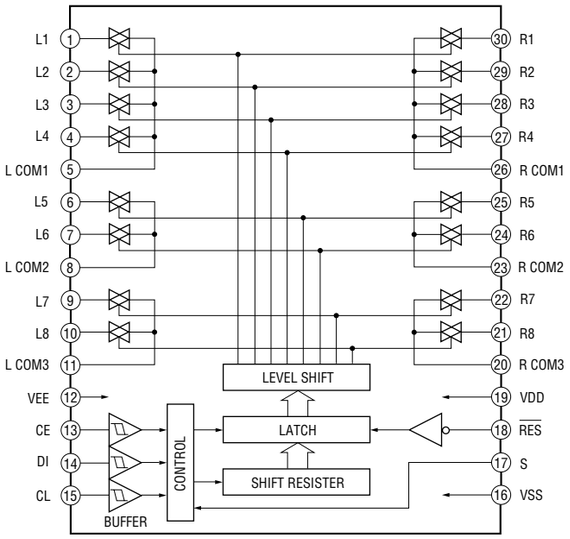




3-10. IC BLOCK DIAGRAMS

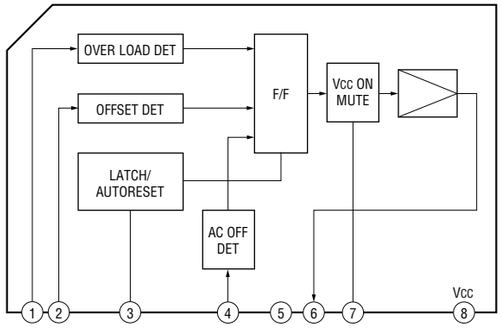
• Input section

IC101 LC7821



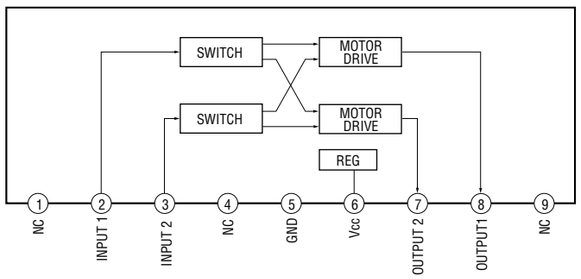
• Main section

IC700 uPC1237HA



• Panel section

IC901 BA6208



3-11. IC PIN FUNCTION

• IC902 Input Control & LED Drive (TMP47C103N-JP47) (PANEL BOARD)

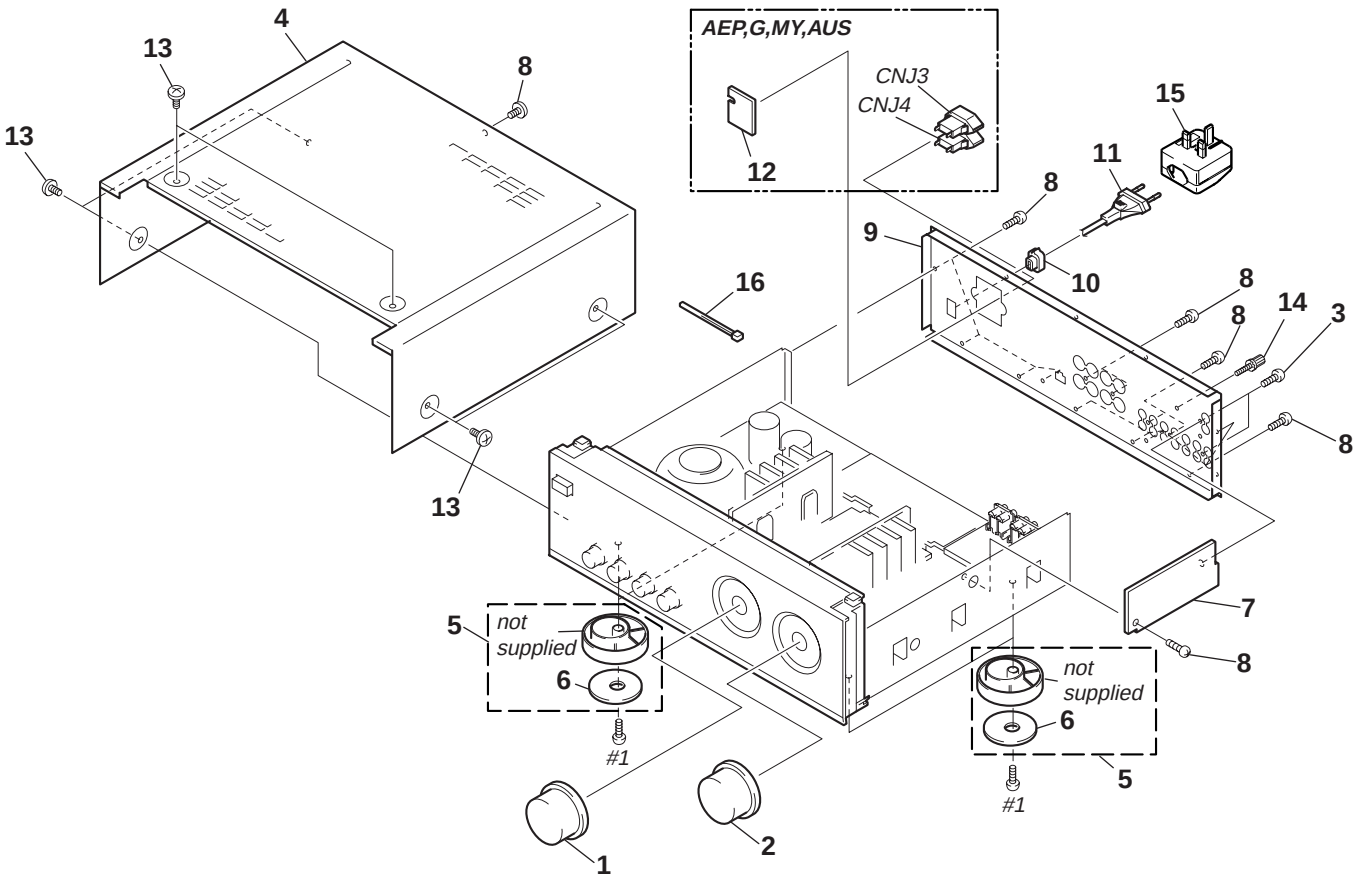
Pin No.	Pin Name	I/O	Function
1	X OUT	O	System clock (4MHz)
2	X IN	I	
3	RESET	I	Reset input
4	PMD	I	Mode select input
5	VOL +	O	Motor drive output (+)
6	VOL –	O	Motor drive output (–)
7	SW 0	I	Rotary switch input (CD)
8	SW 1	I	Rotary switch input (TUNER)
9	SW 2	I	Rotary switch input (PHONO)
10	EON	I	EON signal input
11	PHONO	O	PHONO LED drive output
12	TUNER	O	TUNER LED drive output
13	CD	O	CD LED drive output
14	GND	—	Ground
15	AUX	O	AUX LED drive output
16	MD/DAT	O	TAPE “2” LED drive output
17	TAPE	O	TAPE “1” LED drive output
18	MON	O	MONITOR output
19	PRY	O	Power relay output
20	PKY	I	Power key input
21	MOI	I	MONITOR input
22	SIRCS	I	SIRCS input
23	MUTE	O	Muting output
24	SCE	O	Chip enble output
25	SDT	O	Serial data output
26	SCK	O	Serial clock output
27	STOP	I	STOP input
28	+3V	—	+3V Power supply

SECTION 4
EXPLODED VIEWS

NOTE:
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  G : German model
  SP : Singapore model
  MY : Malaysia model
  AUS : Australian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

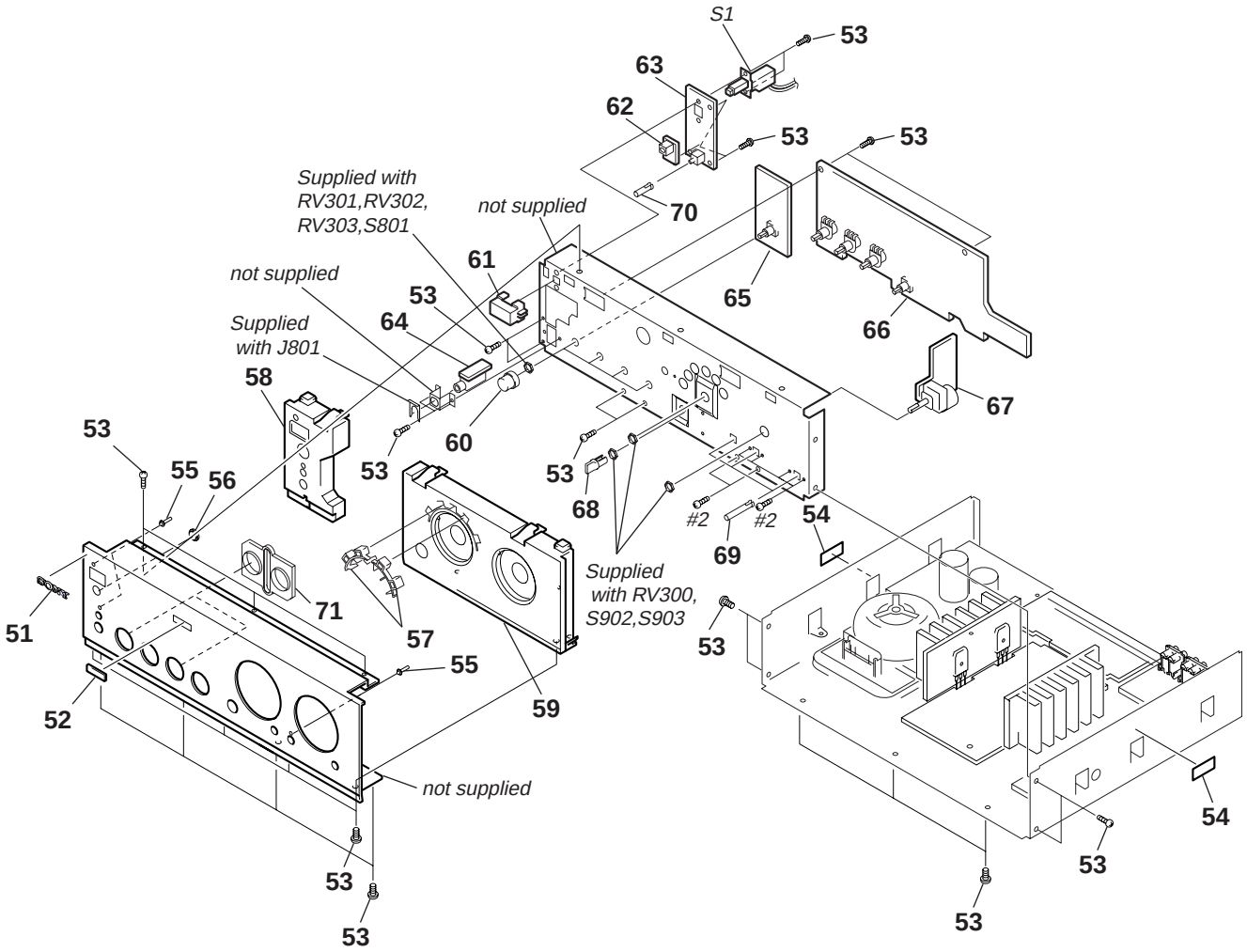
4-1. CASE AND BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	X-4949-780-1	KNOB (SELECTOR) ASSY	
2	X-4949-781-1	KNOB (VOLUME) ASSY	
3	3-704-515-51	SCREW (BV/RING)	
* 4	4-999-439-03	CASE (413235)	
5	X-4949-760-1	FOOT ASSY	
6	4-970-124-01	CUSHION (F50180S)	
7	A-4419-611-A	PHONO BOARD, COMPLETE (AEP,G,MY,AUS)	
7	A-4419-803-A	PHONO BOARD, COMPLETE (UK,SP)	
8	4-974-510-01	SCREW (+BV 3X8 CU)	
9	4-218-231-01	PANEL, BACK (AEP,G,MY,AUS)	

Ref. No.	Part No.	Description	Remark
9	4-218-231-11	PANEL, BACK (UK,SP)	
* 10	3-703-244-00	BUSHING (2104), CORD	
⚠11	1-777-185-11	CORD, POWER	
* 12	1-669-476-11	OUTLET BOARD (AEP,G,MY,AUS)	
13	4-210-291-01	SCREW (CASE 3 TP2)	
14	4-947-010-01	SCREW, FEEDER FIXED	
⚠15	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK,SP)	
* 16	3-655-635-21	BAND (TAITON), BINDING	
⚠CNJ3	1-526-794-11	OUTLET, AC (AEP,G,MY,AUS)	
⚠CNJ4	1-526-794-11	OUTLET, AC (AEP,G,MY,AUS)	

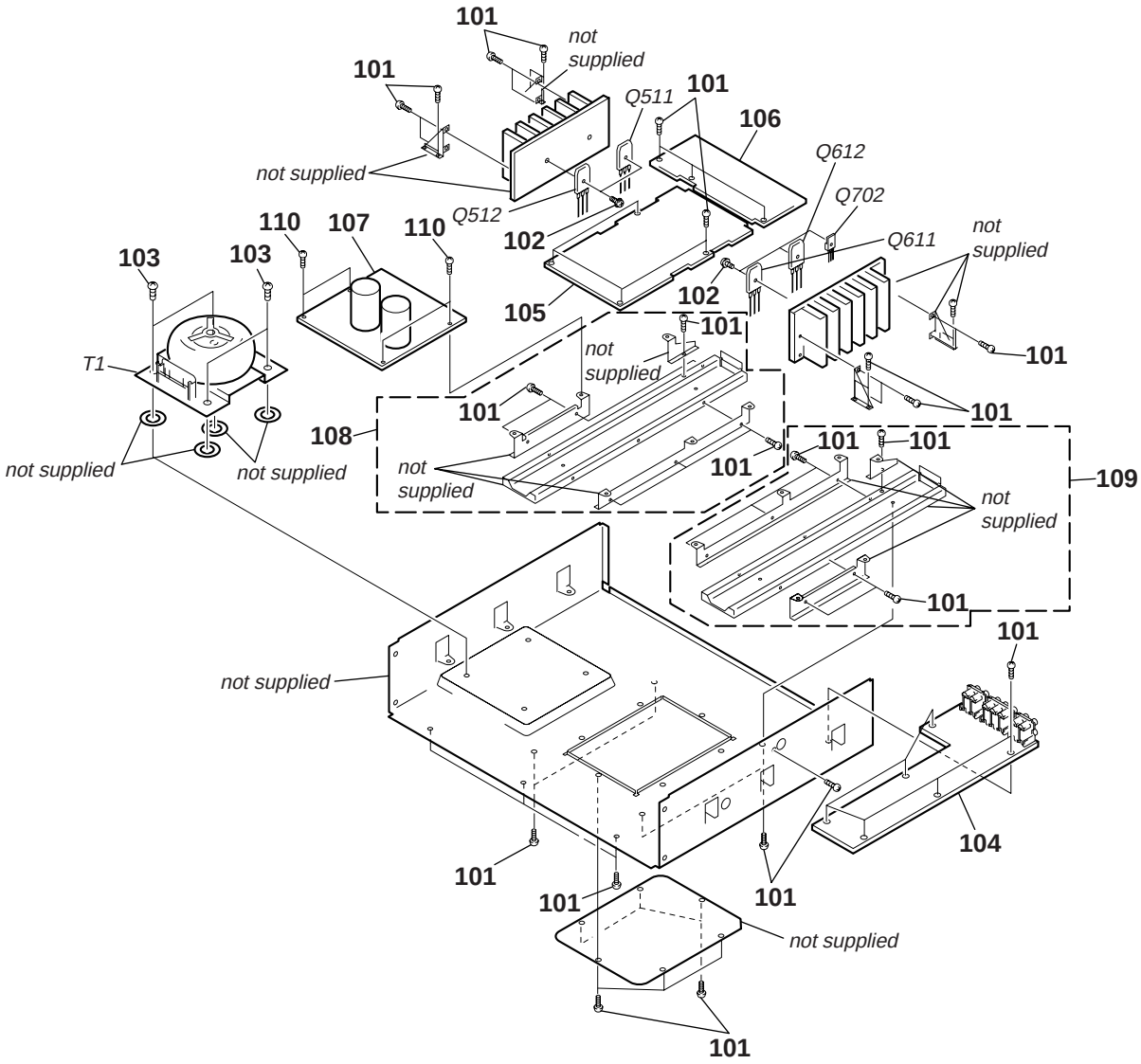
4-2. FRONT PANEL SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
51	4-942-568-41	EMBLEM (NO.5), SONY	
52	4-965-651-01	EMBLEM (MOS)	
53	4-974-510-01	SCREW (+BV 3X8 CU)	
54	4-985-642-01	CUSHION	
55	4-999-413-01	INDICATOR (PROTECTION)	
56	4-980-776-01	WINDOW, REMOTE CONTROL	
* 57	4-999-418-01	INDICATOR (SELECTOR)	
58	4-999-416-03	BASE (L), PANEL	
59	4-999-417-03	BASE (R), PANEL	
60	4-999-419-01	KNOB (D23)	
61	3-024-055-01	BUTTON (POWER)	
* 62	1-670-220-11	SIRCS SUB BOARD	
* 63	1-669-497-11	SIRCS BOARD	
* 64	1-669-498-11	HP BOARD	
* 65	1-669-494-11	SP-SW BOARD	
66	A-4419-613-A	PANEL BOARD, COMPLETE	
* 67	1-669-496-11	VOL BOARD	
68	4-950-189-01	KNOB (A)(VOL)	
69	4-970-146-01	BUTTON	
70	4-980-189-01	KNOB (DIA. 6)	
71	4-999-420-01	ESCUTCHEON (TONE)	
⚠S1	1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)(⏻)	

4-3. CHASSIS SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
101	4-974-510-01	SCREW (+BV 3X8 CU)	
102	3-905-609-11	SCREW (TRANSISTOR)	
103	4-900-386-01	SCREW	
104	A-4419-614-A	INPUT BOARD, COMPLETE (AEP,G,MY,AUS)	
104	A-4419-623-A	INPUT BOARD, COMPLETE (UK,SP)	
105	A-4419-608-A	MAIN BOARD, COMPLETE (AEP,G,MY,AUS)	
105	A-4419-619-A	MAIN BOARD, COMPLETE (UK,SP)	
106	A-4419-609-A	SP-TM BOARD, COMPLETE (AEP,G,MY,AUS)	
106	A-4419-620-A	SP-TM BOARD, COMPLETE (UK,SP)	
* 107	1-669-473-11	PS BOARD	
108	X-4950-314-2	BRACKET (RAIL)(L) ASSY	
109	X-4950-315-2	BRACKET (RAIL)(R) ASSY	
110	4-211-985-01	SCREW (3X8), PC BOARD FITTING	
Q511	8-729-232-45	TRANSISTOR 2SK1529-Y	
Q512	8-729-232-46	TRANSISTOR 2SJ200-Y	
Q611	8-729-232-45	TRANSISTOR 2SK1529-Y	
Q612	8-729-232-46	TRANSISTOR 2SJ200-Y	
Q702	8-729-209-15	TRANSISTOR 2SD2012	
⚠T1	1-433-788-11	TRANSFORMER, POWER (AEP,G,MY,AUS)	
⚠T1	1-433-823-11	TRANSFORMER, POWER (UK,SP)	

HP **INPUT**

SECTION 5
ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: µ , for example:
  uA...: µ A..., uPA...: µ PA..., uPB...: µ PB..., uPC...: µ PC..., uPD...: µ PD...
- CAPACITORS
  uF : µ F
- COILS
  uH : µ H
- Abbreviation
  G : German model
  SP : Singapore model
  MY : Malaysia model
  AUS : Australian model

Ref. No.	Part No.	Description			Remark
	1-669-498-11	HP BOARD			
		*********			
		< CONNECTOR >			
CN804	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
		< JACK >			
J801	1-770-307-11	JACK (LARGE TYPE)(PHONES)			
**********					
	A-4419-614-A	INPUT BOARD, COMPLETE (AEP,G,MY,AUS)			
		**********			
	A-4419-623-A	INPUT BOARD, COMPLETE (UK,SP)			
		**********			
		< CAPACITOR >			
C101	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C102	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C103	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C104	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C105	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C131	1-164-159-11	CERAMIC	0.1uF	50V	
C132	1-164-159-11	CERAMIC	0.1uF	50V	
C133	1-162-294-31	CERAMIC	0.001uF	10% 50V	
C134	1-164-159-11	CERAMIC	0.1uF	50V	
C135	1-164-159-11	CERAMIC	0.1uF	50V	
C140	1-126-052-11	ELECT	100uF	20% 50V	
C141	1-126-023-11	ELECT	100uF	20% 25V	
C142	1-126-013-11	ELECT	1000uF	20% 16V	
C201	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C202	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C203	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C204	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C205	1-162-282-31	CERAMIC	100PF	10% 50V (AEP,G,MY,AUS)	
C240	1-126-052-11	ELECT	100uF	20% 50V	
C241	1-126-023-11	ELECT	100uF	20% 25V	
C242	1-126-013-11	ELECT	1000uF	20% 16V	

Ref. No.	Part No.	Description				Remark
		< CONNECTOR >				
CN102	1-691-768-11	PLUG (MICRO CONNECTOR) 6P				
CN103	1-691-771-11	PLUG (MICRO CONNECTOR) 9P				
CN104	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
		< DIODE >				
D101	8-719-911-19	DIODE 1SS119-25				
D102	8-719-911-19	DIODE 1SS119-25				
D133	8-719-911-19	DIODE 1SS119-25				
D140	8-719-986-38	DIODE HZS16-1LTA				
D240	8-719-986-38	DIODE HZS16-1LTA				
		< IC >				
IC101	8-759-805-13	IC LC7821				
		< JACK >				
J101	1-774-411-11	JACK, PIN 6P (TUNER, CD, AUX IN)				
J102	1-573-028-31	JACK, PIN 4P (TAPE2/MD)				
J103	1-573-028-31	JACK, PIN 4P (TAPE1/DAT)				
		< TRANSISTOR >				
Q101	8-729-620-05	TRANSISTOR 2SC2603-EF				
Q102	8-729-620-05	TRANSISTOR 2SC2603-EF				
Q103	8-729-620-05	TRANSISTOR 2SC2603-EF				
Q140	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q240	8-729-201-53	TRANSISTOR 2SA1015-GR				
		< RESISTOR >				
R101	1-259-500-11	CARBON	1M	5%	1/6W	
R102	1-259-500-11	CARBON	1M	5%	1/6W	
R103	1-259-500-11	CARBON	1M	5%	1/6W	
R104	1-259-500-11	CARBON	1M	5%	1/6W	
R105	1-259-500-11	CARBON	1M	5%	1/6W	
R114	1-259-500-11	CARBON	1M	5%	1/6W	
R115	1-259-500-11	CARBON	1M	5%	1/6W	
R124	1-259-428-11	CARBON	1K	5%	1/6W	
R125	1-259-428-11	CARBON	1K	5%	1/6W	
R130	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R131	1-249-429-11	CARBON	10K	5%	1/4W	
R132	1-249-429-11	CARBON	10K	5%	1/4W	
R133	1-249-429-11	CARBON	10K	5%	1/4W	
R140	1-249-198-11	CARBON	330	5%	1/3W	
R141	1-249-198-11	CARBON	330	5%	1/3W	
R142	1-249-198-11	CARBON	330	5%	1/3W	
R143	1-249-198-11	CARBON	330	5%	1/3W	
R144	1-259-187-11	CARBON	6.8K	5%	1/4W	
R201	1-259-500-11	CARBON	1M	5%	1/6W	

Ref. No.	Part No.	Description			Remark
R202	1-259-500-11	CARBON	1M	5%	1/6W
R203	1-259-500-11	CARBON	1M	5%	1/6W
R204	1-259-500-11	CARBON	1M	5%	1/6W
R205	1-259-500-11	CARBON	1M	5%	1/6W
R214	1-259-500-11	CARBON	1M	5%	1/6W
R215	1-259-500-11	CARBON	1M	5%	1/6W
R224	1-259-428-11	CARBON	1K	5%	1/6W
R225	1-259-428-11	CARBON	1K	5%	1/6W
R240	1-249-198-11	CARBON	330	5%	1/3W
R241	1-249-198-11	CARBON	330	5%	1/3W
R242	1-249-198-11	CARBON	330	5%	1/3W
R243	1-249-198-11	CARBON	330	5%	1/3W
R244	1-259-187-11	CARBON	6.8K	5%	1/4W
		< RELAY >			
RY101	1-515-614-11	RELAY			
RY102	1-515-614-11	RELAY			

****

	A-4419-608-A	MAIN BOARD, COMPLETE (AEP,G,MY,AUS)			
		**********			
	A-4419-619-A	MAIN BOARD, COMPLETE (UK,SP)			
		**********			
		< CAPACITOR >			
C500	1-102-973-00	CERAMIC	100PF	5%	50V
C501	1-119-824-31	ELECT	10uF	20%	50V
C502	1-125-845-21	FILM	47PF	10%	50V
C503	1-102-820-00	CERAMIC	330PF	5%	50V
C504	1-126-023-11	ELECT	100uF	20%	16V
C505	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C506	1-126-023-11	ELECT	100uF	20%	16V
C507	1-126-023-11	ELECT	100uF	20%	16V
C508	1-124-995-11	ELECT	220uF	20%	10V
C509	1-102-937-00	CERAMIC	4.0PF	±0.25PF	50V
C510	1-119-836-21	ELECT	47uF	20%	63V
C511	1-102-978-00	CERAMIC	220PF	5%	50V
C512	1-136-163-00	FILM	0.068uF	5%	50V
C513	1-136-163-00	FILM	0.068uF	5%	50V
C517	1-126-023-11	ELECT	100uF	20%	16V
C600	1-102-973-00	CERAMIC	100PF	5%	50V
C601	1-119-824-31	ELECT	10uF	20%	50V
C602	1-125-845-21	FILM	47PF	10%	50V
C603	1-102-820-00	CERAMIC	330PF	5%	50V
C604	1-126-023-11	ELECT	100uF	20%	16V
C605	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C606	1-126-023-11	ELECT	100uF	20%	16V
C607	1-126-023-11	ELECT	100uF	20%	16V
C608	1-124-995-11	ELECT	220uF	20%	10V
C609	1-102-937-00	CERAMIC	4.0PF	±0.25PF	50V
C610	1-119-836-21	ELECT	47uF	20%	63V
C611	1-102-978-00	CERAMIC	220PF	5%	50V
C612	1-136-163-00	FILM	0.068uF	5%	50V
C613	1-136-163-00	FILM	0.068uF	5%	50V
C617	1-126-023-11	ELECT	100uF	20%	16V

Ref. No.	Part No.	Description			Remark
C712	1-126-967-11	ELECT	47uF	20%	50V
C713	1-126-933-11	ELECT	100uF	20%	16V
C714	1-126-964-11	ELECT	10uF	20%	50V
C720	1-113-618-11	ELECT	2200uF	20%	56V
C721	1-113-618-11	ELECT	2200uF	20%	56V
		< CONNECTOR >			
* CN500	1-564-506-11	PLUG, CONNECTOR 3P			
CN503	1-691-770-11	PLUG (MICRO CONNECTOR) 8P			
* CN600	1-564-506-11	PLUG, CONNECTOR 3P			
CN700	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
		< DIODE >			
D500	8-719-911-19	DIODE 1SS119-25			
D501	8-719-911-19	DIODE 1SS119-25			
D502	8-719-911-19	DIODE 1SS119-25			
D503	8-719-933-39	DIODE HZS6C1L			
D504	8-719-911-19	DIODE 1SS119-25			
D505	8-719-911-19	DIODE 1SS119-25			
D506	8-719-310-61	DIODE SEL1510C-D			
D507	8-719-911-19	DIODE 1SS119-25			
D508	8-719-911-19	DIODE 1SS119-25			
D600	8-719-911-19	DIODE 1SS119-25			
D601	8-719-911-19	DIODE 1SS119-25			
D602	8-719-911-19	DIODE 1SS119-25			
D603	8-719-933-39	DIODE HZS6C1L			
D604	8-719-911-19	DIODE 1SS119-25			
D605	8-719-911-19	DIODE 1SS119-25			
D606	8-719-310-61	DIODE SEL1510C-D			
D607	8-719-911-19	DIODE 1SS119-25			
D608	8-719-911-19	DIODE 1SS119-25			
D703	8-719-933-39	DIODE HZS6C1L			
D720	8-719-024-99	DIODE 11ES2-NTA2B			
D721	8-719-024-99	DIODE 11ES2-NTA2B			
		< BRIDGE >			
JWH711	4-999-918-01	BRIDGE (PC-BOARD)			
JWH712	4-999-918-01	BRIDGE (PC-BOARD)			
JWH713	4-999-918-01	BRIDGE (PC-BOARD)			
JWH714	4-999-918-01	BRIDGE (PC-BOARD)			
JWH715	4-999-918-01	BRIDGE (PC-BOARD)			
		< TRANSISTOR >			
Q500	8-729-045-15	TRANSISTOR 2SC5169-FG			
Q501	8-729-201-53	TRANSISTOR 2SA1015-GR			
Q502	8-729-201-53	TRANSISTOR 2SA1015-GR			
Q503	8-729-201-53	TRANSISTOR 2SA1015-GR			
Q504	8-729-021-74	TRANSISTOR 2SA949-OY			
Q505	8-729-202-67	TRANSISTOR 2SK246-GR3			
Q506	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q507	8-729-021-73	TRANSISTOR 2SC2229-OY-TPE6			
Q508	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q509	8-729-104-18	TRANSISTOR 2SC3514			
Q510	8-729-104-91	TRANSISTOR 2SA1383			
Q511	8-729-232-45	TRANSISTOR 2SK1529-Y			
Q512	8-729-232-46	TRANSISTOR 2SJ200-Y			
Q513	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA			
Q514	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA			

MAIN **OUTLET** **PANEL**

Ref. No.	Part No.	Description				Remark
Q600	8-729-045-15	TRANSISTOR	2SC5169-FG			
Q601	8-729-201-53	TRANSISTOR	2SA1015-GR			
Q602	8-729-201-53	TRANSISTOR	2SA1015-GR			
Q603	8-729-201-53	TRANSISTOR	2SA1015-GR			
Q604	8-729-021-74	TRANSISTOR	2SA949-OY			
Q605	8-729-202-67	TRANSISTOR	2SK246-GR3			
Q606	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q607	8-729-021-73	TRANSISTOR	2SC2229-OY-TPE6			
Q608	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q609	8-729-104-18	TRANSISTOR	2SC3514			
Q610	8-729-104-91	TRANSISTOR	2SA1383			
Q611	8-729-232-45	TRANSISTOR	2SK1529-Y			
Q612	8-729-232-46	TRANSISTOR	2SJ200-Y			
Q613	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
Q614	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
Q702	8-729-209-15	TRANSISTOR	2SD2012			
		< RESISTOR >				
R500	1-259-167-21	CARBON	1K	5%	1/4W	
R501	1-259-215-21	CARBON	100K	5%	1/4W	
R502	1-259-151-21	CARBON	220	5%	1/4W	
R503	1-259-151-21	CARBON	220	5%	1/4W	
R504	1-259-151-21	CARBON	220	5%	1/4W	
R505	1-259-179-21	CARBON	3.3K	5%	1/4W	
R506	1-259-151-21	CARBON	220	5%	1/4W	
R507	1-259-151-21	CARBON	220	5%	1/4W	
R508	1-249-490-11	CARBON	27K	5%	1/3W	
R509	1-259-175-11	CARBON	2.2K	5%	1/4W	
R510	1-259-183-11	CARBON	4.7K	5%	1/4W	
⚠R511	1-249-405-11	CARBON	100	5%	1/4W	F
R512	1-259-171-21	CARBON	1.5K	5%	1/4W	
R513	1-259-167-21	CARBON	1K	5%	1/4W	
R514	1-249-721-11	CARBON	100K	5%	1/2W	
R515	1-259-143-21	CARBON	100	5%	1/4W	
R516	1-247-749-11	CARBON	560	5%	1/2W	F
⚠R517	1-247-688-11	CARBON	10	5%	1/4W	F
⚠R518	1-247-688-11	CARBON	10	5%	1/4W	F
⚠R519	1-247-745-11	CARBON	330	5%	1/2W	F
⚠R520	1-249-405-11	CARBON	100	5%	1/4W	F
⚠R521	1-249-405-11	CARBON	100	5%	1/4W	F
⚠R522	1-208-601-11	REGISTER	0.1	10%	2W	F
R523	1-208-601-11	REGISTER	0.1	10%	2W	F
R524	1-259-424-11	CARBON	680	5%	1/6W	
R526	1-219-177-91	FUSIBLE	10	5%	1/2W	F
R527	1-259-484-11	CARBON	220K	5%	1/6W	
R532	1-259-420-11	CARBON	470	5%	1/6W	
R533	1-249-431-11	CARBON	15K	5%	1/4W	
R600	1-259-167-21	CARBON	1K	5%	1/4W	
R601	1-259-215-21	CARBON	100K	5%	1/4W	
R602	1-259-151-21	CARBON	220	5%	1/4W	
R603	1-259-151-21	CARBON	220	5%	1/4W	
R604	1-259-151-21	CARBON	220	5%	1/4W	
R605	1-259-179-21	CARBON	3.3K	5%	1/4W	
R606	1-259-151-21	CARBON	220	5%	1/4W	
R607	1-259-151-21	CARBON	220	5%	1/4W	
R608	1-249-490-11	CARBON	27K	5%	1/3W	
R609	1-259-175-11	CARBON	2.2K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R610	1-259-183-11	CARBON	4.7K	5%	1/4W	
⚠R611	1-249-405-11	CARBON	100	5%	1/4W	F
R612	1-259-171-21	CARBON	1.5K	5%	1/4W	
R613	1-259-167-21	CARBON	1K	5%	1/4W	
R614	1-249-721-11	CARBON	100K	5%	1/2W	
R615	1-259-143-21	CARBON	100	5%	1/4W	
R616	1-247-749-11	CARBON	560	5%	1/2W	F
⚠R617	1-247-688-11	CARBON	10	5%	1/4W	F
⚠R618	1-247-688-11	CARBON	10	5%	1/4W	F
⚠R619	1-247-745-11	CARBON	330	5%	1/2W	F
⚠R620	1-249-405-11	CARBON	100	5%	1/4W	F
⚠R621	1-249-405-11	CARBON	100	5%	1/4W	F
⚠R622	1-208-601-11	REGISTER	0.1	10%	2W	F
R623	1-208-601-11	REGISTER	0.1	10%	2W	F
R624	1-259-424-11	CARBON	680	5%	1/6W	
⚠R626	1-219-177-91	FUSIBLE	10	5%	1/2W	F
R627	1-259-484-11	CARBON	220K	5%	1/6W	
R632	1-259-420-11	CARBON	470	5%	1/6W	
R633	1-249-431-11	CARBON	15K	5%	1/4W	
R709	1-249-425-11	CARBON	4.7K	5%	1/4W	F
		< VARIABLE RESISTOR >				
RV500	1-241-762-11	RES, ADJ, CARBON 2.2K				
RV600	1-241-762-11	RES, ADJ, CARBON 2.2K				
**********						
*	1-669-476-11	OUTLET BOARD (AEP,G,MY,AUS)				
		**********				
		< CONNECTOR >				
⚠CNJ3	1-526-794-11	OUTLET AC (AC OUTLET)				
⚠CNJ4	1-526-794-11	OUTLET AC (AC OUTLET)				
		< FUSE >				
⚠F2	1-532-464-51	FUSE (T2.5AL/250V)				
		< FUSE HOLDER >				
FH3	1-533-233-11	HOLDER, FUSE (AEP,G,MY,AUS)				
FH4	1-533-233-11	HOLDER, FUSE (AEP,G,MY,AUS)				
**********						
	A-4419-613-A	PANEL BOARD, COMPLETE				
		**********				
		< CAPACITOR >				
C300	1-136-171-00	FILM	0.33uF	5%	50V	
C301	1-130-475-00	MYLAR	0.0022uF	5%	50V	
C302	1-136-153-00	FILM	0.01uF	5%	50V	
C303	1-136-155-00	FILM	0.015uF	5%	50V	
C304	1-136-165-00	FILM	0.1uF	5%	50V	
C305	1-136-165-00	FILM	0.1uF	5%	50V	
C306	1-130-471-00	MYLAR	0.001uF	5%	50V	
C400	1-136-171-00	FILM	0.33uF	5%	50V	
C401	1-130-475-00	MYLAR	0.0022uF	5%	50V	
C402	1-136-153-00	FILM	0.01uF	5%	50V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
C403	1-136-155-00	FILM	0.015uF	5%	50V
C404	1-136-165-00	FILM	0.1uF	5%	50V
C405	1-136-165-00	FILM	0.1uF	5%	50V
C406	1-130-471-00	MYLAR	0.001uF	5%	50V
C900	1-126-786-11	ELECT	47uF	20%	16V
C901	1-126-916-11	ELECT	1000uF	20%	6.3V
C902	1-162-294-31	CERAMIC	0.001uF	10%	50V
C903	1-162-294-31	CERAMIC	0.001uF	10%	50V
C904	1-164-159-11	CERAMIC	0.1uF		50V
C905	1-162-294-31	CERAMIC	0.001uF	10%	50V
C906	1-126-795-11	ELECT	10uF	20%	50V
C907	1-162-294-31	CERAMIC	0.001uF	10%	50V
C908	1-126-786-11	ELECT	47uF	20%	16V
C909	1-126-795-11	ELECT	10uF	20%	50V
C910	1-126-794-11	ELECT	4.7uF	20%	50V
C911	1-126-795-11	ELECT	10uF	20%	50V
C912	1-126-786-11	ELECT	47uF	20%	16V
C913	1-126-157-11	ELECT	10uF	20%	16V
		< CONNECTOR >			
* CN300	1-564-522-11	PLUG, CONNECTOR 7P			
* CN301	1-564-526-11	PLUG, CONNECTOR 11P			
CN901	1-691-763-51	PIN, CONNECTOR 8P			
* CN904	1-564-525-11	PLUG, CONNECTOR 10P			
* CN905	1-564-522-11	PLUG, CONNECTOR 7P			
* CN906	1-564-520-11	PLUG, CONNECTOR 5P			
		< DIODE >			
D902	8-719-313-50	DIODE SEL6810A-TH12 (PHONO)			
D903	8-719-313-50	DIODE SEL6810A-TH12 (TUNER)			
D904	8-719-313-50	DIODE SEL6810A-TH12 (CD)			
D905	8-719-313-50	DIODE SEL6810A-TH12 (AUX)			
D906	8-719-313-50	DIODE SEL6810A-TH12 (TAPE2/MD)			
D907	8-719-313-50	DIODE SEL6810A-TH12 (TAPE1/DAT)			
D908	8-719-313-50	DIODE SEL6810A-TH12 (SOURCE DIRECT)			
D910	8-719-911-19	DIODE 1SS119-25			
D912	8-719-911-19	DIODE 1SS119-25			
D913	8-719-911-19	DIODE 1SS119-25			
D914	8-719-911-19	DIODE 1SS119-25			
D915	8-719-911-19	DIODE 1SS119-25			
D916	8-719-024-99	DIODE 11ES2-NTA2B			
D917	8-719-911-19	DIODE 1SS119-25			
D918	8-719-985-66	DIODE HZS5BLL-TA			
D919	8-719-911-19	DIODE 1SS119-25			
D920	8-719-911-19	DIODE 1SS119-25			
D921	8-719-911-19	DIODE 1SS119-25			
D922	8-719-911-19	DIODE 1SS119-25			
D923	8-719-911-19	DIODE 1SS119-25			
D924	8-719-911-19	DIODE 1SS119-25			
		< IC >			
IC901	8-759-962-08	IC BA6208			
IC902	8-759-392-41	IC TMP47C103N-JP47			
		< TRANSISTOR >			
Q900	8-729-620-05	TRANSISTOR 2SC2603-EF			

Ref. No.	Part No.	Description			Remark
Q901	8-729-900-63	TRANSISTOR DTA124ES			
Q902	8-729-900-63	TRANSISTOR DTA124ES			
Q903	8-729-900-80	TRANSISTOR DTC114ES			
Q905	8-729-422-57	TRANSISTOR UN4111			
Q906	8-729-900-80	TRANSISTOR DTC114ES			
Q907	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q908	8-729-620-05	TRANSISTOR 2SC2603-EF			
Q909	8-729-620-05	TRANSISTOR 2SC2603-EF			
Q910	8-729-422-57	TRANSISTOR UN4111			
Q911	8-729-201-53	TRANSISTOR 2SA1015-GR			
Q912	8-729-422-57	TRANSISTOR UN4111			
Q913	8-729-900-80	TRANSISTOR DTC114ES			
Q914	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q915	8-729-620-05	TRANSISTOR 2SC2603-EF			
		< RESISTOR >			
R300	1-259-500-11	CARBON	1M	5%	1/6W
R301	1-259-500-11	CARBON	1M	5%	1/6W
R302	1-259-446-11	CARBON	5.6K	5%	1/6W
R303	1-259-436-11	CARBON	2.2K	5%	1/6W
R304	1-259-500-11	CARBON	1M	5%	1/6W
R305	1-259-464-11	CARBON	33K	5%	1/6W
R306	1-259-456-11	CARBON	15K	5%	1/6W
R307	1-259-446-11	CARBON	5.6K	5%	1/6W
R308	1-259-456-11	CARBON	15K	5%	1/6W
R309	1-259-500-11	CARBON	1M	5%	1/6W
R310	1-259-464-11	CARBON	33K	5%	1/6W
R311	1-259-446-11	CARBON	5.6K	5%	1/6W
R391	1-249-429-11	CARBON	10K	5%	1/4W
R392	1-249-429-11	CARBON	10K	5%	1/4W
R393	1-249-429-11	CARBON	10K	5%	1/4W
R400	1-259-500-11	CARBON	1M	5%	1/6W
R401	1-259-500-11	CARBON	1M	5%	1/6W
R402	1-259-446-11	CARBON	5.6K	5%	1/6W
R403	1-259-436-11	CARBON	2.2K	5%	1/6W
R404	1-259-500-11	CARBON	1M	5%	1/6W
R405	1-259-464-11	CARBON	33K	5%	1/6W
R406	1-259-456-11	CARBON	15K	5%	1/6W
R407	1-259-446-11	CARBON	5.6K	5%	1/6W
R408	1-259-456-11	CARBON	15K	5%	1/6W
R409	1-259-500-11	CARBON	1M	5%	1/6W
R410	1-259-464-11	CARBON	33K	5%	1/6W
R411	1-259-446-11	CARBON	5.6K	5%	1/6W
R902	1-247-239-00	CARBON	910	5%	1/2W
R905	1-249-429-11	CARBON	10K	5%	1/4W
R906	1-249-429-11	CARBON	10K	5%	1/4W
R907	1-249-429-11	CARBON	10K	5%	1/4W
R908	1-249-437-11	CARBON	47K	5%	1/4W
R909	1-249-429-11	CARBON	10K	5%	1/4W
R910	1-249-401-11	CARBON	47	5%	1/4W F
R911	1-249-411-11	CARBON	330	5%	1/4W
R912	1-249-429-11	CARBON	10K	5%	1/4W
R913	1-249-425-11	CARBON	4.7K	5%	1/4W F
R914	1-247-807-31	CARBON	100	5%	1/4W
R917	1-249-433-11	CARBON	22K	5%	1/4W
R918	1-249-421-11	CARBON	2.2K	5%	1/4W F
R919	1-249-421-11	CARBON	2.2K	5%	1/4W F

PANEL | PHONO

Ref. No.	Part No.	Description			Remark
R920	1-249-429-11	CARBON	10K	5%	1/4W
R921	1-249-429-11	CARBON	10K	5%	1/4W
R922	1-249-429-11	CARBON	10K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
R924	1-249-429-11	CARBON	10K	5%	1/4W
R925	1-249-406-11	CARBON	120	5%	1/4W F
R927	1-249-403-11	CARBON	68	5%	1/4W F
R929	1-247-903-00	CARBON	1M	5%	1/4W
R930	1-247-807-31	CARBON	100	5%	1/4W
R931	1-249-419-11	CARBON	1.5K	5%	1/4W F
R932	1-249-427-11	CARBON	6.8K	5%	1/4W F
R934	1-247-843-11	CARBON	3.3K	5%	1/4W
R935	1-247-843-11	CARBON	3.3K	5%	1/4W
R936	1-249-429-11	CARBON	10K	5%	1/4W
R937	1-249-429-11	CARBON	10K	5%	1/4W
R938	1-249-429-11	CARBON	10K	5%	1/4W
R939	1-247-751-11	CARBON	820	5%	1/2W
		< VARIABLE RESISTOR >			
RV301	1-223-789-11	RES, VAR, CARBON 250K/250K (BALANCE)			
RV302	1-223-768-11	RES, VAR, CARBON 250K/250K (TONE TREBLE)			
RV303	1-223-767-11	RES, VAR, CARBON 900K/900K (TONE BASS)			
		< SWITCH >			
S301	1-762-203-11	SWITCH, PUSH (1 KEY)(SUBSONIC)			
S302	1-762-393-11	SWITCH, PUSH (SOURCE DIRECT)			
S303	1-762-387-11	SWITCH, PUSH (LOUDNESS)			
S902	1-692-974-11	SWITCH, ROTARY (INPUT SELECTOR)			
S903	1-771-386-11	SWITCH, ROTARY (TAPE MONITOR)			
		< VIBRATOR >			
X900	1-577-358-21	VIBRATOR, CERAMIC (4MHz)			
**********					
	A-4419-611-A	PHONO BOARD, COMPLETE (AEP,G,MY,AUS)			
		**********			
	A-4419-803-A	PHONO BOARD, COMPLETE (UK,SP)			
		**********			
		< CAPACITOR >			
C150	1-102-978-00	CERAMIC	220PF	5%	50V
C151	1-126-059-11	ELECT	10uF	20%	50V
C152	1-102-973-00	CERAMIC	100PF	5%	50V
C153	1-106-359-00	MYLAR	4700PF	5%	200V
C154	1-126-023-11	ELECT	100uF	20%	16V
C155	1-136-162-00	FILM	0.056uF	5%	50V
C156	1-137-471-11	FILM	0.016uF	5%	50V
C157	1-126-059-11	ELECT	10uF	20%	50V
C170	1-126-023-11	ELECT	100uF	20%	16V
C171	1-136-165-00	FILM	0.1uF	5%	50V
C172	1-136-165-00	FILM	0.1uF	5%	50V
C250	1-102-978-00	CERAMIC	220PF	5%	50V
C251	1-126-059-11	ELECT	10uF	20%	50V
C252	1-102-973-00	CERAMIC	100PF	5%	50V
C253	1-106-359-00	MYLAR	4700PF	5%	200V
C254	1-126-023-11	ELECT	100uF	20%	16V

Ref. No.	Part No.	Description			Remark
C255	1-136-162-00	FILM	0.056uF	5%	50V
C256	1-137-471-11	FILM	0.016uF	5%	50V
C257	1-126-059-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CN151	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
		< DIODE >			
D170	8-719-985-97	DIODE HZS7B1LTA			
		< IC >			
IC150	8-759-636-74	IC M5218AP-22			
		< JACK >			
J150	1-764-593-21	JACK 2P (PHONO IN)			
		< COIL >			
L150	1-410-977-11	INDUCTOR	100uH (AEP,G,MY,AUS)		
L151	1-410-977-11	INDUCTOR	100uH (AEP,G,MY,AUS)		
L250	1-410-977-11	INDUCTOR	100uH (AEP,G,MY,AUS)		
L251	1-410-977-11	INDUCTOR	100uH (AEP,G,MY,AUS)		
		< TRANSISTOR >			
Q150	8-729-354-52	TRANSISTOR 2SC2545			
Q151	8-729-354-52	TRANSISTOR 2SC2545			
Q250	8-729-354-52	TRANSISTOR 2SC2545			
Q251	8-729-354-52	TRANSISTOR 2SC2545			
		< RESISTOR >			
R150	1-259-175-11	CARBON	2.2K	5%	1/4W (AEP,G,MY,AUS)
R151	1-249-911-11	CARBON	330	5%	1/4W
R152	1-259-215-21	CARBON	100K	5%	1/4W
R153	1-259-215-21	CARBON	100K	5%	1/4W
R154	1-259-161-21	CARBON	560	5%	1/4W
R155	1-259-161-21	CARBON	560	5%	1/4W
R156	1-259-143-21	CARBON	100	5%	1/4W
R157	1-259-191-21	CARBON	10K	5%	1/4W
R158	1-249-900-11	CARBON	110	5%	1/4W
R159	1-249-965-11	CARBON	56K	1%	1/4W
R160	1-259-183-11	CARBON	4.7K	1%	1/4W
R161	1-259-239-11	CARBON	1M	5%	1/4W
R162	1-259-167-21	CARBON	1K	5%	1/4W
R170	1-259-171-21	CARBON	1.5K	5%	1/4W
R250	1-259-175-11	CARBON	2.2K	5%	1/4W (AEP,G,MY,AUS)
R251	1-249-911-11	CARBON	330	5%	1/4W
R252	1-259-215-21	CARBON	100K	5%	1/4W
R253	1-259-215-21	CARBON	100K	5%	1/4W
R254	1-259-161-21	CARBON	560	5%	1/4W
R255	1-259-161-21	CARBON	560	5%	1/4W
R256	1-259-143-21	CARBON	100	5%	1/4W
R257	1-259-191-21	CARBON	10K	5%	1/4W
R258	1-249-900-11	CARBON	110	5%	1/4W
R259	1-249-965-11	CARBON	56K	1%	1/4W
R260	1-259-183-11	CARBON	4.7K	1%	1/4W

Ref. No.	Part No.	Description			Remark
R261	1-259-239-11	CARBON	1M	5%	1/4W
R262	1-259-167-21	CARBON	1K	5%	1/4W
**********					
*	1-669-473-11	PS BOARD			
		*********			
		< CAPACITOR >			
C750	1-128-715-11	ELECT	6800uF		50V
C751	1-128-715-11	ELECT	6800uF		50V
C752	1-113-618-11	ELECT	2200uF	20%	56V (AEP,G,MY,AUS)
C753	1-113-618-11	ELECT	2200uF	20%	56V (AEP,G,MY,AUS)
C754	1-137-398-11	FILM	0.068uF	5%	100V
C755	1-137-398-11	FILM	0.068uF	5%	100V
C757	1-137-396-91	FILM	0.033uF	5%	100V (AEP,G,MY,AUS)
C758	1-137-396-91	FILM	0.033uF	5%	100V (AEP,G,MY,AUS)
		< CONNECTOR >			
CN1	1-774-108-11	PIN, CONNECTOR (PC BOARD)			
CN2	1-564-321-00	PIN, CONNECTOR 2P			
CN3	1-564-321-00	PIN, CONNECTOR 2P			
* CN4	1-564-321-21	PIN, CONNECTOR 2P (AEP,G,MY,AUS)			
* CN750	1-564-242-00	PIN, CONNECTOR 5P			
* CN751	1-766-920-11	PIN, CONNECTOR 4P			
CN752	1-770-832-11	CONNECTOR, BOARD TO BOARD 6P			
		< DIODE >			
D750	8-719-302-38	DIODE RBV-602-01			
D755	8-719-024-99	DIODE 11ES2-NTA2B (AEP,G,MY,AUS)			
D756	8-719-024-99	DIODE 11ES2-NTA2B (AEP,G,MY,AUS)			
D757	8-719-024-99	DIODE 11ES2-NTA2B (AEP,G,MY,AUS)			
D758	8-719-024-99	DIODE 11ES2-NTA2B (AEP,G,MY,AUS)			
		< FUSE >			
⚠ F1	1-532-464-51	FUSE (T2.5AL/250V)			
		< FUSE HOLDER >			
FH1	1-533-233-11	HOLDER, FUSE			
FH2	1-533-233-11	HOLDER, FUSE			
**********					
*	1-669-497-11	SIRCS BOARD			
		**********			
		< CONNECTOR >			
* CN911	1-560-666-00	PIN, CONNECTOR 3P			
		< DIODE >			
D900	8-719-046-46	DIODE SEL5221S-TH8F (PROTECTION)			
D901	8-719-046-38	DIODE SEL5821A-TH8F (EON LINK)			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R900	1-249-409-11	CARBON	220	5%	1/4W F
R901	1-249-403-11	CARBON	68	5%	1/4W F
R903	1-249-429-11	CARBON	10K	5%	1/4W
R904	1-249-429-11	CARBON	10K	5%	1/4W
		< SWITCH >			
S901	1-571-112-21	SWITCH, PUSH (1 KEY)(EON LINK)			
**********					
*	1-670-220-11	SIRCS SUB BOARD			
		**********			
		< CONNECTOR >			
* CN912	1-565-835-11	SOCKET, CONNECTOR 3P			
		< IC >			
IC900	8-759-459-86	IC NJL64H400A			
**********					
*	1-669-494-11	SP-SW BOARD			
		**********			
		< RESISTOR >			
R801	1-247-751-11	CARBON	820	5%	1/2W
R802	1-247-751-11	CARBON	820	5%	1/2W
R803	1-247-751-11	CARBON	820	5%	1/2W
R804	1-247-751-11	CARBON	820	5%	1/2W
R805	1-247-751-11	CARBON	820	5%	1/2W
R806	1-247-751-11	CARBON	820	5%	1/2W
R807	1-247-746-11	CARBON	390	5%	1/2W F
R808	1-247-746-11	CARBON	390	5%	1/2W F
R809	1-247-746-11	CARBON	390	5%	1/2W F
R810	1-247-746-11	CARBON	390	5%	1/2W F
		< SWITCH >			
S801	1-771-385-11	SWITCH, ROTARY (SPEAKERS)			
**********					
	A-4419-609-A	SP-TM BOARD, COMPLETE (AEP,G,MY,AUS)			
		**********			
	A-4419-620-A	SP-TM BOARD, COMPLETE (UK,SP)			
		**********			
		< CAPACITOR >			
C515	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,G,MY,AUS)
C516	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,G,MY,AUS)
C615	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,G,MY,AUS)
C616	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,G,MY,AUS)
C700	1-126-965-11	ELECT	22uF	20%	50V
C701	1-136-163-00	FILM	0.068uF	5%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

SP-TM **VOL**

Ref. No.	Part No.	Description			Remark
C702	1-124-995-11	ELECT	220uF	20%	10V
C703	1-136-157-00	FILM	0.022uF	5%	50V
C704	1-104-664-11	ELECT	47uF	20%	16V
C705	1-104-664-11	ELECT	47uF	20%	16V
C706	1-137-150-11	MYLAR	0.01uF	10%	100V
C707	1-137-150-11	MYLAR	0.01uF	10%	100V
C708	1-128-578-11	ELECT	1uF	20%	100V
C709	1-126-972-11	ELECT	1000uF	20%	50V
C710	1-126-969-11	ELECT	220uF	20%	50V
C711	1-126-964-11	ELECT	10uF	20%	50V
C715	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN702	1-770-831-11	CONNECTOR, BOARD TO BOARD 6P			
CN703	1-566-212-11	PIN, CONNECTOR 3P (EON CONTROL)			
		< DIODE >			
D511	8-719-911-19	DIODE 1SS119-25			
D512	8-719-911-19	DIODE 1SS119-25			
D513	8-719-911-19	DIODE 1SS119-25			
D700	8-719-024-99	DIODE 11ES2-NTA2B			
D701	8-719-024-99	DIODE 11ES2-NTA2B			
D702	8-719-024-99	DIODE 11ES2-NTA2B			
		< IC >			
IC700	8-759-111-68	IC UPC1237HA			
		< COIL >			
L501	1-411-906-11	COIL, AIR-CORE			
L601	1-411-906-11	COIL, AIR-CORE			
		< TRANSISTOR >			
Q700	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R528	1-249-162-11	CARBON	10	5%	1/3W
R529	1-247-750-11	CARBON	680	5%	1/2W F
⚠R530	1-212-857-00	FUSIBLE	10	5%	1/4W F (AEP,G,MY,AUS)
⚠R531	1-212-857-00	FUSIBLE	10	5%	1/4W F (AEP,G,MY,AUS)
R628	1-249-162-11	CARBON	10	5%	1/3W
R629	1-247-750-11	CARBON	680	5%	1/2W F
⚠R630	1-212-857-00	FUSIBLE	10	5%	1/4W F (AEP,G,MY,AUS)
⚠R631	1-212-857-00	FUSIBLE	10	5%	1/4W F (AEP,G,MY,AUS)
R700	1-249-433-11	CARBON	22K	5%	1/4W
R701	1-249-429-11	CARBON	10K	5%	1/4W
R702	1-249-429-11	CARBON	10K	5%	1/4W
R703	1-259-476-11	CARBON	100K	5%	1/6W
R704	1-249-433-11	CARBON	22K	5%	1/4W
R705	1-247-883-00	CARBON	150K	5%	1/4W
R706	1-249-431-11	CARBON	15K	5%	1/4W
R707	1-249-429-11	CARBON	10K	5%	1/4W
⚠R708	1-213-076-61	FUSIBLE	47	5%	1W F
R710	1-247-746-11	CARBON	390	5%	1/2W F
R711	1-247-746-11	CARBON	390	5%	1/2W F
		< RELAY >			
RY501	1-515-921-11	RELAY (12V)			
RY502	1-515-921-11	RELAY (12V)			
RY503	1-515-920-11	RELAY (24V)			
		< TERMINAL >			
TM501	1-537-740-11	TERMINAL BOARD (SPEAKERS)			

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*	1-669-496-11	VOL BOARD			
		**********			
		< CAPACITOR >			
C310	1-136-165-00	FILM	0.1uF	5%	50V
		< CONNECTOR >			
CN302	1-691-772-11	PLUG (MICRO CONNECTOR) 10P			
CN303	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
		< TRANSISTOR >			
Q300	8-729-141-26	TRANSISTOR 2SC3622A-LK			
Q400	8-729-141-26	TRANSISTOR 2SC3622A-LK			
		< RESISTOR >			
R312	1-259-448-11	CARBON	6.8K	5%	1/6W
R412	1-259-448-11	CARBON	6.8K	5%	1/6W
		< VARIABLE RESISTOR >			
RV300	1-225-675-11	RES, VAR, CARBON 120K/120K (VOLUME)			

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		MISCELLANEOUS			
		**********			
⚠11	1-777-185-11	CORD, POWER			
⚠15	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK,SP)			
⚠CNJ3	1-526-794-11	OUTLET, AC (AEP,G,MY,AUS)			
⚠CNJ4	1-526-794-11	OUTLET, AC (AEP,G,MY,AUS)			
Q511	8-729-232-45	TRANSISTOR 2SK1529-Y			
Q512	8-729-232-46	TRANSISTOR 2SJ200-Y			
Q611	8-729-232-45	TRANSISTOR 2SK1529-Y			
Q612	8-729-232-46	TRANSISTOR 2SJ200-Y			
Q702	8-729-209-15	TRANSISTOR 2SD2012			
⚠S1	1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)(①)			
⚠T1	1-433-788-11	TRANSFORMER, POWER (AEP,G,MY,AUS)			
⚠T1	1-433-823-11	TRANSFORMER, POWER (UK,SP)			

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	ACCESSORIES & PACKING MATERIALS	
	**********	
	1-473-656-11	REMOTE COMMANDER (RM-S316)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
	3-866-636-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH,PORTUGUESE)(AEP,G,MY,AUS)	
	3-866-636-21	MANUAL, INSTRUCTION (GERMAN,DUTCH,SWEDISH,ITALIAN)(AEP,G,MY,AUS)	
	3-866-636-41	MANUAL, INSTRUCTION (ENGLISH)(UK,SP)	
	4-981-643-01	COVER, BATTERY (for RM-S316)	

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HARDWARE LIST
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#1	7-685-885-09	SCREW +BVTT 4X16 (S)	
#2	7-685-872-09	SCREW +BVTT 3X8 (S)	

9-928-831-11

Sony Corporation
Home A&V Products Company

99C0976-1
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Published by Quality Assurance Dept.
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